

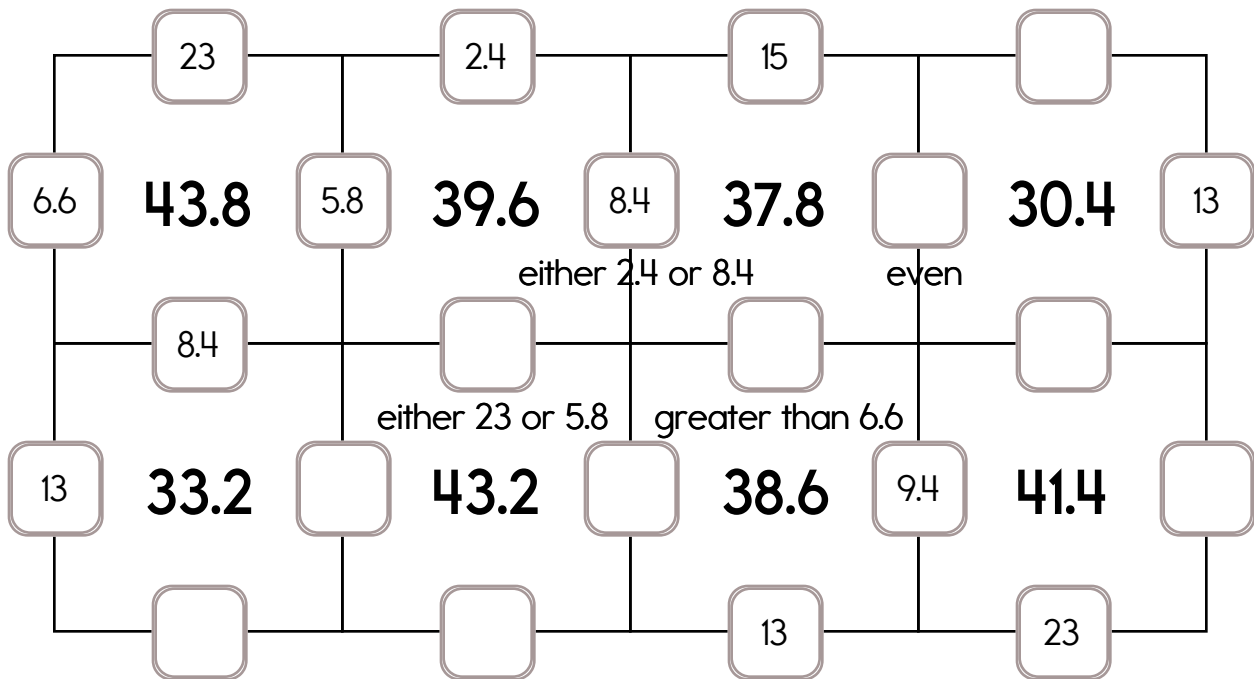
# 15 Minutes a Day (Or so!)

## Math Challenge for July



My Name: \_\_\_\_\_

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 23, 15, or 13. The other three numbers have to all be DIFFERENT and can be from these numbers: 8.4, 1.4, 5.8, 6.6, 7.8, 9.4, or 2.4.



This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

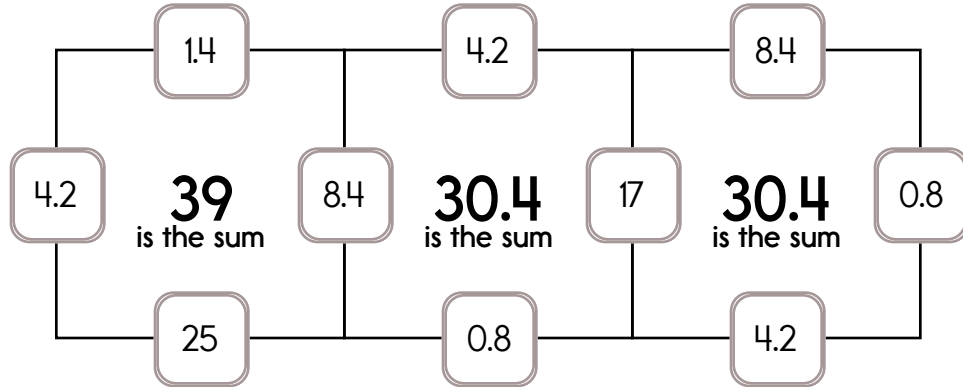
Example:

$$4.2 + 8.4 + 1.4 + 25 = 39$$

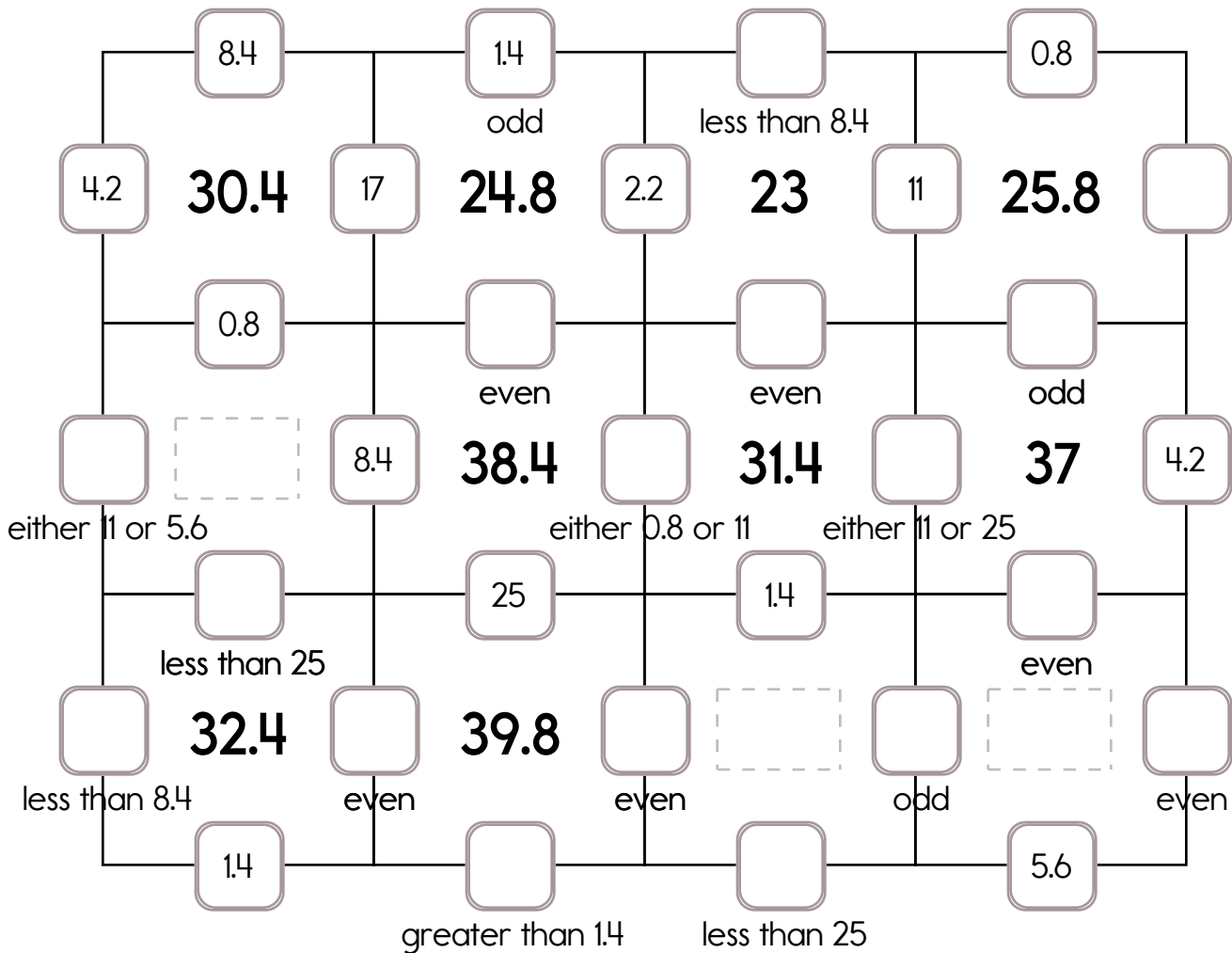
Example:

$$17 + 0.8 + 8.4 + 4.2 = 30.4$$

Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 25, 11, or 17. The other three numbers have to all be DIFFERENT and can be from these numbers: 5.6, 4.2, 2.2, 8.4, 1.4, or 0.8.



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 14, 16, or 22. The other three numbers have to all be DIFFERENT and can be from these numbers: 9.8, 5.2, 4.8, 8.8, 3.2, or 0.2.

|     |             |                   |                  |              |                  |                  |                   |     |
|-----|-------------|-------------------|------------------|--------------|------------------|------------------|-------------------|-----|
|     | 5.2         |                   |                  | 4.8          |                  | 0.2              |                   |     |
|     |             | greater than 5.2  |                  |              |                  |                  |                   |     |
| 9.8 | <b>37.2</b> | 22                | <b>45.8</b>      | 8.8          | <b>40.8</b>      |                  | <b>26.2</b>       | 4.8 |
|     |             | less than 16      |                  |              | odd              |                  |                   |     |
|     | 0.2         |                   | 5.2              |              | 22               |                  |                   |     |
|     |             |                   |                  |              |                  | even             |                   |     |
|     | <b>40.8</b> |                   | <b>32.2</b>      |              | <b>36.2</b>      |                  |                   | 9.8 |
|     |             | greater than 14   |                  | even         | greater than 4.8 |                  |                   |     |
|     |             |                   | 4.8              |              |                  |                  |                   |     |
|     |             | either 9.8 or 22  |                  | less than 16 |                  | even             |                   |     |
|     | <b>27.2</b> |                   | <b>27.2</b>      |              | <b>31.2</b>      |                  | <b>24.6</b>       |     |
|     |             | either 3.2 or 5.2 |                  | odd          | less than 5.2    |                  | odd               |     |
|     |             |                   |                  |              |                  |                  |                   |     |
|     |             | even              | less than 22     |              | either 3.2 or 14 | greater than 14  |                   |     |
|     | <b>37.4</b> |                   | <b>37.8</b>      |              | <b>22.6</b>      |                  | <b>30.8</b>       |     |
|     |             | less than 5.2     | greater than 5.2 | odd          | even             |                  | either 9.8 or 5.2 |     |
|     |             |                   |                  |              |                  |                  |                   |     |
|     |             | greater than 5.2  | odd              |              | odd              | greater than 0.2 |                   |     |
|     | <b>32.2</b> |                   | <b>43.8</b>      |              |                  |                  |                   |     |
|     |             | less than 16      |                  |              |                  | even             | less than 9.8     |     |
|     |             |                   |                  |              |                  |                  |                   |     |
|     |             |                   |                  |              |                  |                  |                   |     |
|     |             | even              |                  | even         |                  | either 16 or 22  |                   |     |

Write a topic and a story to describe the picture.



Topic: \_\_\_\_\_

Write a paragraph: \_\_\_\_\_

Mrs. Clark asked her students to write about Charles Lindbergh. There are 30 students in her class. Two-fifths did not do the writing. How many students did write about Lindbergh?

Circle the words that best complete the sentence.

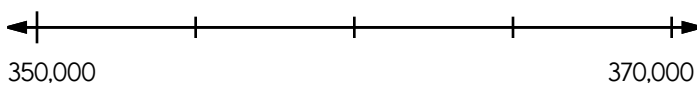
(In/Inn) the end, I am sure that I will (pass/past) Language Arts.

$$\begin{array}{r} 72 \\ - 45 \\ \hline \end{array}$$

If you add 6 to me, the sum is 59. What number am I?

\_\_\_\_\_

Locate where to put the number 355,000 and label the point B.



How many 7s are in 84?

\_\_\_\_\_



Cross out all of the prepositional phrases in the sentence.

There is no reason to be afraid of the dark.

In the number 415,286, what digit is in the hundreds place?

\_\_\_\_\_

At the Spirit Day sale at Rising Stars Elementary, students were selling pencils for \$1.15, pens for \$2.25, erasers for \$0.73, t-shirts for \$6.68, and rubber bracelets for \$3.62.

If the students want to raise \$100 in one day, what combination of items could they sell to reach that goal? In your answer, be sure to state the number of each item and the total cost of the items (i.e., 5 t-shirts for \$33.40).

If the students actually raised \$144.80 from the sale of rubber bracelets, \$200.40 from the sale of t-shirts, \$73.00 from the sale of erasers, and \$56.25 from the sale of pens, and they raised \$560.70 altogether, how much money did they raise from the sale of pencils?

**LOOK**Write  
operation.

Write = sign.

Circle.

$2 + 18 = 20$

$9 + 2 =$

$16 + 16 =$

$19 + 5 =$

$8 + 14 =$

$18 + 5 =$

$13 + 6 =$

$3 + 9 =$

$9 + 8 =$

$6 + 19 =$

$6 + 3 =$

|    |                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 6  | 5                  | 2  | 13 | 29 | 18 | 9  | 16 | 11 | 17 | 3  | 9  | 16 | 16 | 32 | 36 |
| 7  | 10                 | 27 | 19 | 78 | 13 | 8  | 6  | 9  | 6  | 9  | 9  | 11 | 13 | 5  | 19 |
| 15 | 16                 | 6  | 6  | 14 | 9  | 8  | 16 | 13 | 9  | 12 | 5  | 14 | 2  | 18 | 36 |
| 16 | 36                 | 14 | 13 | 6  | 78 | 9  | 9  | 27 | 7  | 27 | 9  | 9  | 7  | 4  | 19 |
| 3  | 9                  | 16 | 9  | 8  | 17 | 9  | 24 | 8  | 15 | 6  | 2  | 22 | 24 | 3  | 18 |
| 18 | 36                 | 26 | 15 | 19 | 22 | 3  | 3  | 14 | 23 | 18 | 11 | 5  | 17 | 24 | 16 |
| 18 | 15                 | 16 | 16 | 17 | 26 | 6  | 18 | 21 | 22 | 24 | 19 | 32 | 9  | 36 | 18 |
| 2  | 12                 | 18 | 14 | 18 | 9  | 10 | 3  | 16 | 8  | 25 | 14 | 15 | 18 | 3  | 24 |
| 6  | <b>2 + 18 = 20</b> | 12 | 11 | 2  | 13 | 12 | 13 | 12 | 2  | 19 | 78 | 5  | 21 |    |    |
| 20 | 3                  | 13 | 18 | 5  | 19 | 23 | 13 | 18 | 13 | 4  | 8  | 17 | 22 | 28 | 19 |
| 25 | 19                 | 18 | 10 | 24 | 5  | 11 | 18 | 8  | 25 | 19 | 6  | 6  | 14 | 72 | 14 |
| 17 | 72                 | 2  | 14 | 18 | 7  | 13 | 14 | 19 | 19 | 26 | 16 | 19 | 8  | 18 | 18 |
| 19 | 28                 | 5  | 5  | 23 | 5  | 32 | 6  | 6  | 19 | 13 | 18 | 2  | 14 | 20 | 6  |
| 27 | 5                  | 8  | 19 | 8  | 6  | 24 | 16 | 18 | 27 | 16 | 6  | 10 | 6  | 10 | 6  |

$19 + 9 = 28$

$14 + 11 =$

$11 + 4 =$

$14 + 4 =$

$15 + 12 =$

$10 + 9 =$

$17 + 14 =$

$18 + 18 =$

$7 + 12 =$

$11 + 18 =$

$8 + 16 =$

|    |                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 8  | 14                 | 9  | 15 | 12 | 20 | 26 | 1  | 3  | 26 | 11 | 7  | 28 | 18 | 18 | 3  |
| 9  | 14                 | 10 | 14 | 19 | 25 | 25 | 28 | 26 | 12 | 19 | 36 | 25 | 14 | 12 | 17 |
| 19 | 27                 | 44 | 12 | 19 | 15 | 26 | 17 | 16 | 18 | 16 | 19 | 19 | 19 | 17 | 20 |
| 18 | 8                  | 18 | 30 | 8  | 18 | 10 | 24 | 10 | 10 | 11 | 15 | 29 | 14 | 25 | 27 |
| 3  | 4                  | 11 | 14 | 12 | 14 | 5  | 12 | 14 | 37 | 4  | 20 | 18 | 8  | 20 | 15 |
| 15 | 7                  | 29 | 17 | 7  | 10 | 14 | 3  | 18 | 11 | 37 | 5  | 11 | 21 | 7  | 19 |
| 12 | 15                 | 6  | 16 | 7  | 6  | 25 | 3  | 29 | 18 | 3  | 4  | 18 | 15 | 9  | 18 |
| 27 | 29                 | 22 | 20 | 25 | 37 | 18 | 28 | 24 | 7  | 36 | 26 | 30 | 10 | 4  | 11 |
| 13 | 9                  | 19 | 9  | 3  | 18 | 8  | 11 | 31 | 20 | 12 | 9  | 9  | 21 | 17 | 36 |
| 4  | <b>19 + 9 = 28</b> | 19 | 8  | 5  | 11 | 27 | 8  | 12 | 30 | 10 | 22 | 15 | 8  |    |    |
| 26 | 17                 | 14 | 3  | 12 | 12 | 17 | 9  | 25 | 18 | 18 | 17 | 11 | 14 | 3  | 16 |
| 12 | 14                 | 24 | 23 | 7  | 31 | 36 | 11 | 14 | 28 | 17 | 25 | 29 | 7  | 4  | 24 |
| 18 | 31                 | 29 | 10 | 20 | 7  | 14 | 29 | 26 | 5  | 11 | 9  | 44 | 11 | 18 | 18 |

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 11, 23, or 28. The other three numbers have to all be DIFFERENT and can be from these numbers: 4.2, 0.8, 1.2, 9.8, 6.6, or 5.2.

|              |                  |                   |                   |                  |                  |                 |                   |      |
|--------------|------------------|-------------------|-------------------|------------------|------------------|-----------------|-------------------|------|
|              | 0.8              |                   | 5.2               |                  |                  |                 | 6.6               |      |
|              |                  | less than 28      |                   | greater than 0.8 |                  |                 |                   |      |
| 6.6          | <b>19.6</b>      | 1.2               | <b>27.2</b>       | 11               | <b>18.2</b>      | 5.2             | <b>49.6</b>       |      |
|              | 11               |                   |                   |                  | 0.8              |                 |                   |      |
|              |                  | odd               |                   |                  |                  | either 28 or 23 |                   |      |
|              | <b>24</b>        |                   | <b>47.2</b>       |                  | <b>45.2</b>      |                 | <b>49.6</b>       | 9.8  |
| less than 11 |                  | less than 28      | greater than 6.6  |                  | less than 9.8    |                 |                   |      |
|              |                  |                   |                   |                  |                  | 5.2             |                   |      |
|              | either 1.2 or 11 |                   | even              |                  | less than 28     |                 |                   |      |
|              | <b>45.6</b>      |                   | <b>27</b>         |                  | <b>47.2</b>      |                 | <b>41</b>         |      |
| even         |                  | less than 11      | either 6.6 or 5.2 |                  | either 0.8 or 28 |                 |                   |      |
|              |                  |                   |                   |                  |                  |                 |                   |      |
|              | odd              |                   |                   |                  | less than 23     |                 | odd               |      |
|              | <b>43.8</b>      |                   | <b>26.8</b>       |                  | <b>21.2</b>      |                 |                   |      |
| odd          |                  | either 0.8 or 9.8 | greater than 4.2  |                  | less than 23     |                 |                   | odd  |
|              |                  |                   |                   |                  |                  |                 |                   |      |
|              | either 28 or 5.2 |                   | either 9.8 or 4.2 |                  |                  |                 | either 0.8 or 6.6 |      |
|              | <b>39.6</b>      |                   | <b>37.8</b>       |                  |                  |                 |                   |      |
| less than 28 |                  | even              | odd               |                  |                  | odd             |                   | even |
|              |                  |                   |                   |                  |                  |                 |                   |      |
|              |                  |                   | greater than 1.2  |                  | even             |                 | odd               |      |



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

$$7 + 14 \div 2 - 2 = \underline{\quad}$$

$$9 + 8 \div 4 - 3 = \underline{\quad}$$

$$(9 \times 5) - 3 = \underline{\quad}$$

$$8 - 5 + 7 = \underline{\quad}$$

$$(4 + 3) \times 7 = \underline{\quad}$$

$$4 + 2 + 1 = \underline{\quad}$$

$$8 + 5 - 8 = \underline{\quad}$$

$$6 \times 5 - 9 + 9 = \underline{\quad}$$

$$5 \times 9 + (9 - 2) = \underline{\quad}$$

$$6 \times 2 \times 6 = \underline{\quad}$$

$$(5 - 1) - 4 = \underline{\quad}$$

$$3 - 1 + 1 = \underline{\quad}$$

$$1 + 5 + 9 - 9 = \underline{\quad}$$

$$8 \times 1 \times 2 = \underline{\quad}$$

$$(8 + 1) + 8 = \underline{\quad}$$

$$1 + 1 + 7 + 9 = \underline{\quad}$$

$$5 - 5 + (4 + 9) = \underline{\quad}$$

$$5 \times 6 + 9 = \underline{\quad}$$

$$5 + (108 \div 9 - 2) = \underline{\quad}$$

$$7 \times 7 + 8 = \underline{\quad}$$

$$9 - 1 - 7 = \underline{\quad}$$

$$9 \times 5 \times 2 = \underline{\quad}$$

$$(9 \times 3) + 9 - 7 = \underline{\quad}$$

$$8 \times 1 \times 3 - 1 = \underline{\quad}$$

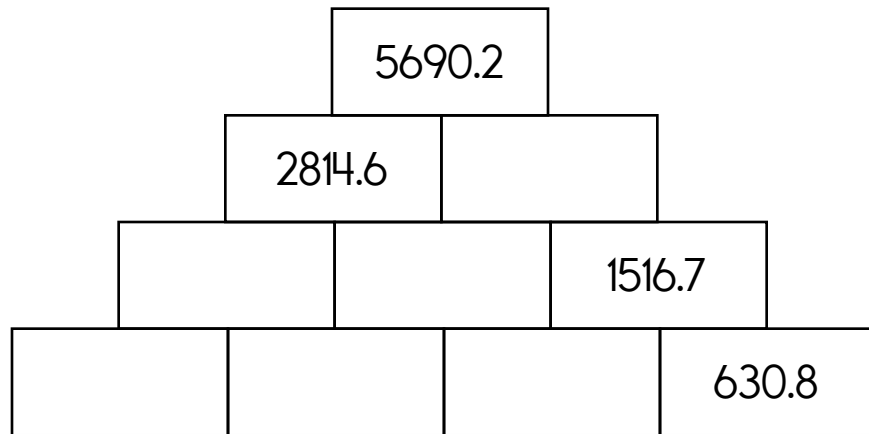
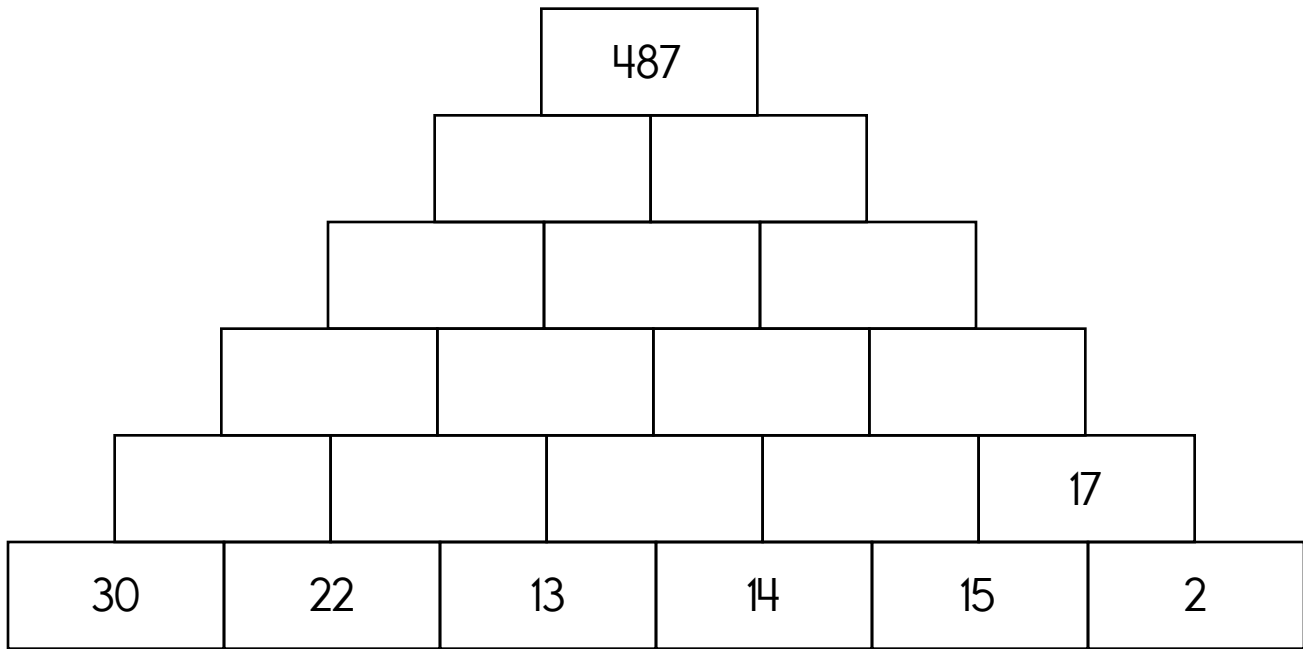
$$(5 + 30 \div 5) \times 6 = \underline{\quad}$$

$$(2 + 45 \div 5) + 9 = \underline{\quad}$$

$$6 \times 7 \times 6 = \underline{\quad}$$

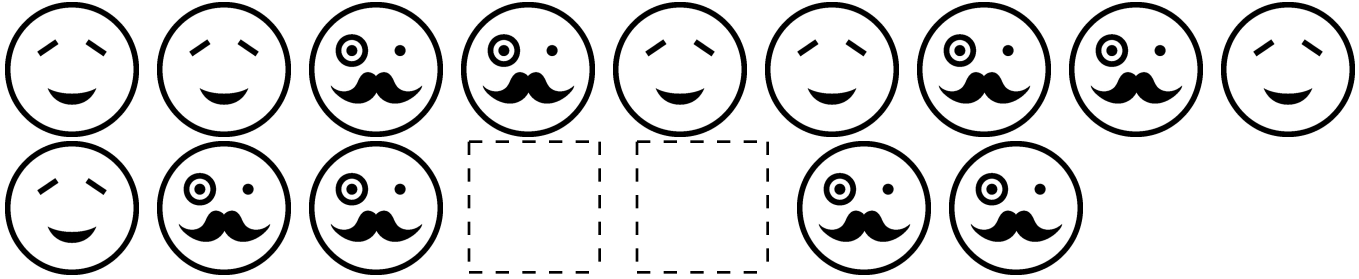
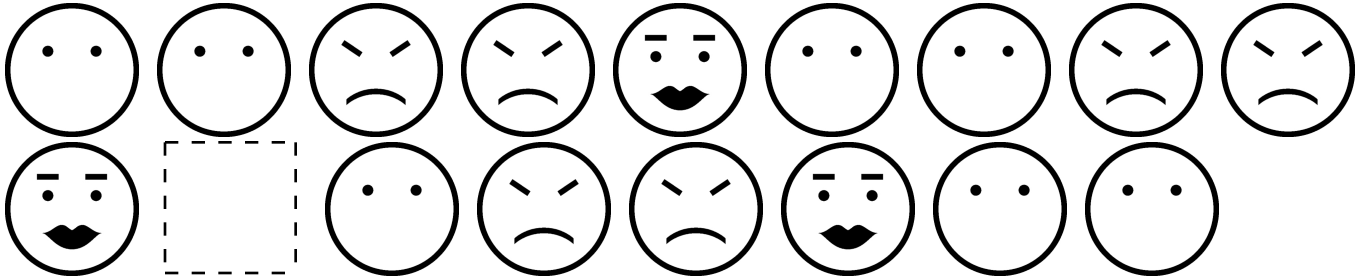


The block above is the sum of the two blocks below. Fill in the missing blocks.

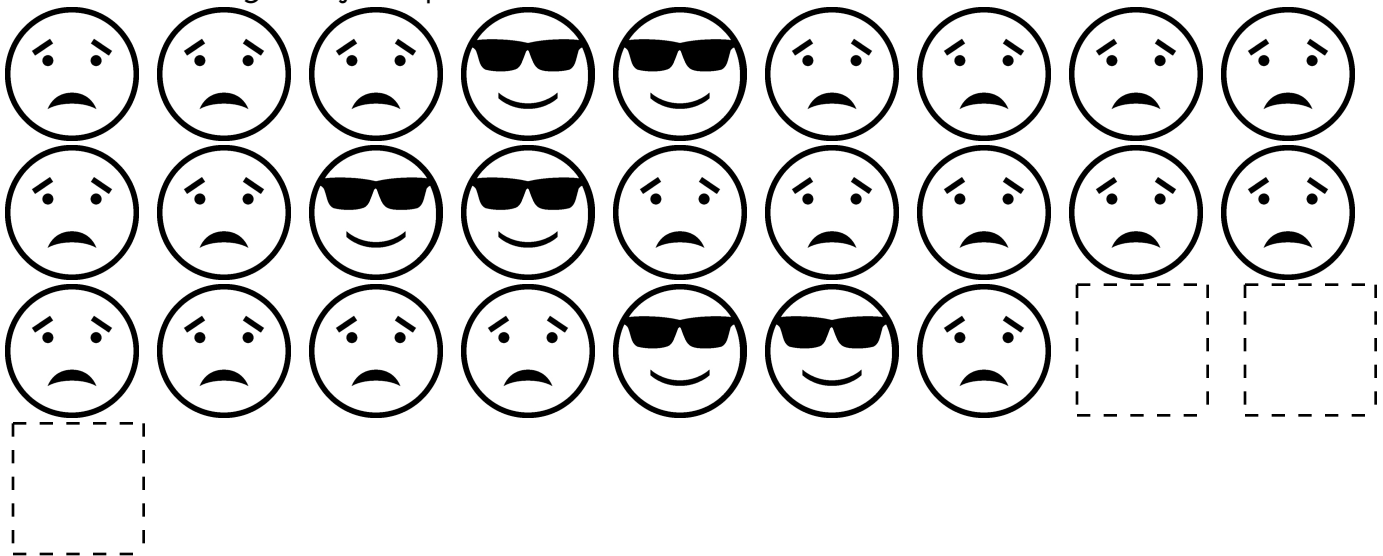


|   |              |   |     |   |   |    |   |   |   |   |     |   |   |   |
|---|--------------|---|-----|---|---|----|---|---|---|---|-----|---|---|---|
| 6   | <del>9</del> | 10  | 120 | 24  | 9   | 12 | 12  | 2 | 12  | <del>8</del>  | 108 |   |   |   |
| 9   | x            | 5   | =   | 45  | 2   | x  | <input style="width: 30px; height: 20px;" type="text"/> | = | <input style="width: 30px; height: 20px;" type="text"/> | 9   | x   | <input style="width: 30px; height: 20px;" type="text"/> | = | <input style="width: 30px; height: 20px;" type="text"/> |
| <input style="width: 30px; height: 20px;" type="text"/> | x            | <input style="width: 30px; height: 20px;" type="text"/> | =   | 60  | 10  | x  | <input style="width: 30px; height: 20px;" type="text"/> | = | <input style="width: 30px; height: 20px;" type="text"/> | <input style="width: 30px; height: 20px;" type="text"/> | x   | <input style="width: 30px; height: 20px;" type="text"/> | = | 18  |
| 4   | 2            | 2   | 2   | 70  | 100   | 9  | 10  | 2 | 11  | 36  | 7   |   |   |   |
| <input style="width: 30px; height: 20px;" type="text"/> | x            | <input style="width: 30px; height: 20px;" type="text"/> | =   | 18  | <input style="width: 30px; height: 20px;" type="text"/> | x  | <input style="width: 30px; height: 20px;" type="text"/> | = | 22  | 10  | x   | <input style="width: 30px; height: 20px;" type="text"/> | = | <input style="width: 30px; height: 20px;" type="text"/> |
| 10  | x            | <input style="width: 30px; height: 20px;" type="text"/> | =   | <input style="width: 30px; height: 20px;" type="text"/> | <input style="width: 30px; height: 20px;" type="text"/> | x  | <input style="width: 30px; height: 20px;" type="text"/> | = | 4   | 9   | x   | <input style="width: 30px; height: 20px;" type="text"/> | = | <input style="width: 30px; height: 20px;" type="text"/> |

Draw the missing emojis. Explain the rule.



Draw the missing emojis. Explain the rule.



What is the rule for each pattern?

34, 134, 40, 120, 46, 106, 52, 92, 58, 78, \_\_\_\_\_, \_\_\_\_\_, 70

13, 92, 26, 81, 39, 70, 52, \_\_\_\_\_, \_\_\_\_\_, 48, 78, 37, 91

Find the missing numbers. These both have the same rule. What is the rule?

If

$$1, 6 = 7$$

$$2, 11 = 13$$

$$3, 16 = 19$$

$$4, 19 = 23$$

Then

$$5, 22 = ?$$

If

$$5, 10 = 50$$

$$6, 12 = 72$$

$$7, 15 = 105$$

$$8, 19 = 152$$

Then

$$9, 23 = ?$$

Find the missing numbers. These both have the same rule. What is the rule?

If

$1, 8 = 9$

$2, 10 = 12$

$3, 14 = 17$

$4, 18 = 22$

Then

$5, 23 = ?$

If

$6, 11 = 17$

$7, 15 = 22$

$8, 17 = 25$

$9, 21 = 30$

Then

$10, 26 = ?$

What is the rule for each pattern?

42, 164, \_\_\_\_\_, \_\_\_\_\_, 32, 134, 27, 119, 22, 104, 17, 89, 12, 74

105, 109, 97, 95, 89, 81, 81, 67, 73, \_\_\_\_\_, 65, 39, 57

94, \_\_\_\_\_, \_\_\_\_\_, 47, 76, 40, 67, 33, 58, 26, 49, 19, 40

|  |  |
|--|--|
| <p>Insert a comma in the appropriate place in this sentence.<br/>I won first place in the track meet and I plan to do it again next weekend.</p> | <p>Write an antonym for each of these words.<br/>grungy, breakable, difficult</p> <p>_____</p> <p>_____</p> <p>_____</p> |
|--|--|

Explain what is meant by this underlined phrase.  
Last night's homework was a breeze.

\_\_\_\_\_

Rewrite the sentence correctly.  
turn left on main street

\_\_\_\_\_

\_\_\_\_\_

David and his father are trying to decide what kind of ice cream cones to buy. They have a choice of chocolate, vanilla, and cherry ice cream. The cones can be sugar cones or waffle cones. How many possible combinations are there? Write all the possible combinations.

Fill in the boxes so each line equals 9.

|     |   |     |
|-----|---|-----|
| 9   |   |     |
| 1   | x |     |
| 36  | ÷ |     |
|     | - | 7   |
| ( 8 | - | ) + |
|     |   |     |



Write half of each of the following.

|                              |                   |
|------------------------------|-------------------|
| 22 pencils <u>11 pencils</u> | 12 pennies _____  |
| 300 crayons _____            | 220 kids _____    |
| 380 cards _____              | 100 marbles _____ |



## Locked Phone

Dr. Programmer works at the phone store. He needs to help people get into their phones.

### Customer Phone Code:

```
def unlock( code ):
```

```
    b = code + 1;
```

```
    c = code + 4;
```

```
    pw = (b, c, c, b)
```

```
    return pw
```

```
JimsCode = 2
```

```
Password = unlock ( JimsCode )
```

```
print ( Password )
```

### The password is:

3663

```
def unlock( code ):
```

```
    b = code + 2;
```

```
    c = code + 6;
```

```
    pw = (b, c, b, c)
```

```
    return pw
```

```
EllasCode = 1
```

```
Password = unlock ( EllasCode )
```

```
print ( Password )
```

\_\_\_\_\_

```
def unlock( code ):
```

```
    b = code + 3;
```

```
    pw = (code, b, b, b)
```

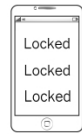
```
    return pw
```

```
PamsCode = 5
```

```
Password = unlock ( PamsCode )
```

```
print ( Password )
```

\_\_\_\_\_



```
def unlock( code ):
    b = code + 3;
    c = code + 6;
    d = code
    pw = (d, b, b, c, c, d)
    return pw
```

```
SallysCode = 3
Password = unlock ( SallysCode )
print ( Password )
```

3 99

```
def unlock( code ):
    b = code + 3;
    c = code + 4 - 2;
    d = code
    pw = (code, b, c, d)
    return pw
```

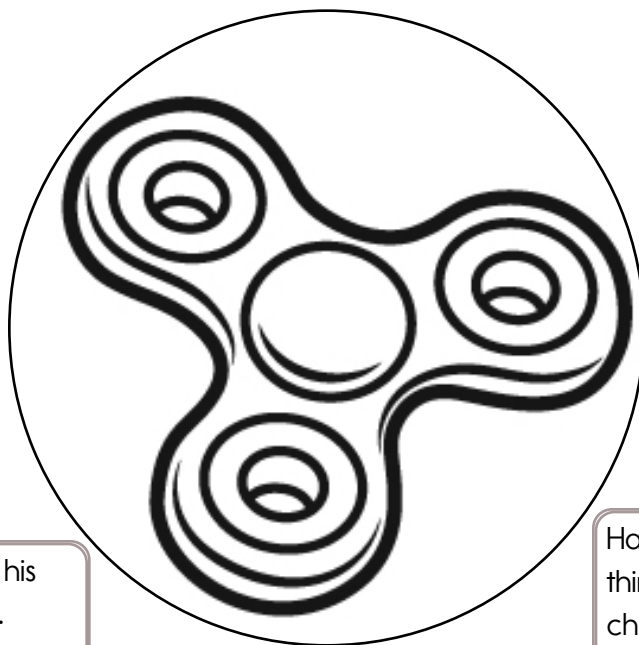
```
SallysCode = 3
Password = unlock ( SallysCode )
print ( Password )
```

\_\_\_\_\_

```
def unlock( code ):
    b = code + 2;
    c = code + 5 - 1;
    d = code
    pw = (code, b, c, d)
    return pw
```

```
SallysCode = 3
Password = unlock ( SallysCode )
print ( Password )
```

Use a scrap piece of paper.



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

The groundhog came out of his burrow for only 0.56 minutes. Write that number as a fraction.

David had twenty safety pins. He gave his sister four. Write an expression. Find the value.

Maria needs at least 40 minutes to get ready for the Easter parade. The parade begins at 3:00 p.m. What is the latest she can start getting ready?

Students in Mr. Allen's cooking class were given  $2\frac{2}{5}$  hours to make their fritters. How many minutes is this?

Jacob started his homework at 4:16 p.m. He worked for 38 minutes. What time did he finish?

Mrs. Brown put 4 pieces of fried chicken on each plate at the picnic. How many pieces of chicken did she use to prepare 7 plates?

The skating contest will begin on June 27. The last day of the contest is July 7. How many days will the contest last?

The book of poems by Lewis Carroll costs \$2. How could David pay for it using only dimes and quarters? (Hint: There is more than one way.)

Eggs cost \$1.16 for one dozen. How much would it cost to buy two dozen eggs?

Hannah used two hundred thirty-seven safety pins to make a chain three feet long. How many safety pins would she need to make a chain five feet long?

Hunter bought 8 tubes of paint. Each tube cost \$1.57. He also bought a brush for \$5.63. How much money did he spend in all?

Mr. Wilson estimated that he serves about 49 black cow root beer floats each day. About how many floats did he serve in April?

Ms. Rodriguez, our school librarian, ordered 594 new books for us. She ordered 18 books for each class. How many classes are there?



Spin the fidget spinner again until you finish THIS page. I needed to spin \_\_\_\_\_ time(s) to finish.

Wendy went to the store. She bought a dozen eggs for \$1.34. She gave the clerk \$10. How much change did she get back?

It took Jessica thirty-six minutes to do her puzzle. If she started at 12:02 p.m., what time did she finish the puzzle?

The students in Mr. Smith's class made a banner for World Hello Day. The banner was thirty-two feet long and four feet wide. What was the perimeter of the banner?

Robert had to make 13 visits to the dentist last year to take care of his braces. Each visit cost \$116. How much did the visits cost in all?

Erin's mother is a police detective. She investigates crimes involving counterfeiting. She makes \$32,567 per year. How much does she make each month?

Mrs. Walker went to New York City. She splurged by going to see a play. She left home at 10:34 a.m. and got back home at 8:15 p.m. How long was Mrs. Walker away from home?

Jack bought a pound of peanut butter fudge for \$2.46. He paid for it with a \$10 bill. How much change did he get?

Gavin built a snow fort. It took him 2 hours and 8 minutes to build it. He finished the fort at 11:01 a.m. What time did he start building the fort?

The parade began at 3:30 p.m. It lasted for 63 minutes. What time was it over?

Mr. Robinson notarized 6 deeds today. If he notarized the same number every day, how many deeds will he notarize in 8 days?

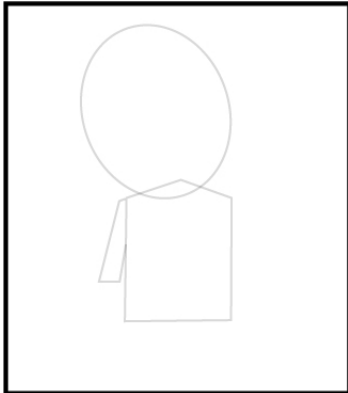
There are 18 classes at Midvale Elementary School. The average number of students in each class is 24. How many students are in the school in all?

Adam needed a new light bulb for his lamp. He could not read in the dark! He could buy 4 bulbs for \$8.29. What was the cost of one bulb?

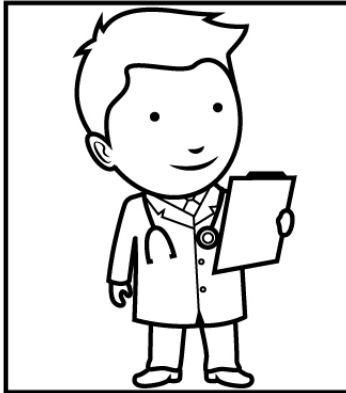
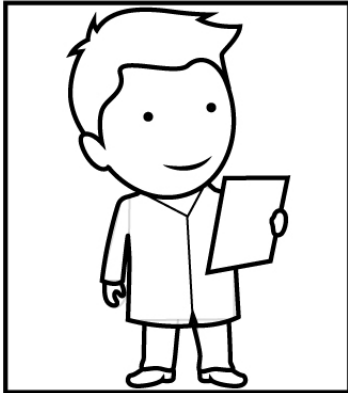
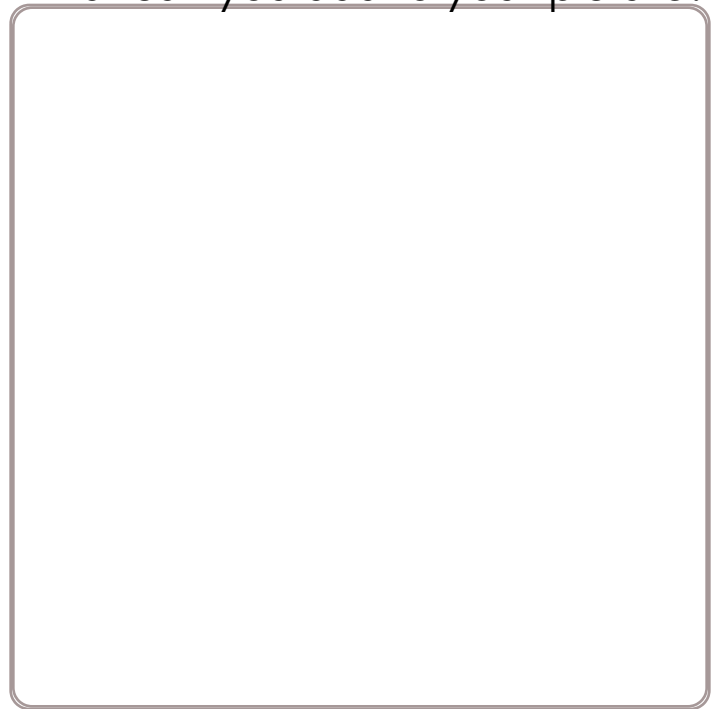
The bakers made 1519 cookies for the party. There were 1055 people at the party. If each person ate one cookie, how many cookies were left over?

The state capitol building was completed in 1826. In 2018 the building was 1 century 9 decades 2 years old. How old, in years, was the building in 2018?

The chef used 509,861 cups of flour to make the world's largest biscuit. Write that number in expanded form.



Draw it.  
What can you add to your picture?



I added \_\_\_\_\_

What is the range of these numbers?

23, 20, 15, 23, 17, 15

\_\_\_\_\_

Write the ordinal number that comes after fifty-eighth.

\_\_\_\_\_

National Jelly Bean Day is 5 days after Stress Awareness Day. Stress Awareness Day is on April 17. On what date is National Jelly Bean Day?

Circle the correctly spelled words.  
diseese, disease  
strawberry, strawbery  
frown, froun

Do you use A.M. or P.M. to write the time you eat dinner?

\_\_\_\_\_

$$7 \overline{)56}$$





## Math Tricks

Quickly, what is  $8 + 7$ ? Is it 15? Maybe 14? It's uh... [using fingers]. You're kidding!  
When you add a number to 7, the answer is  $10 + \text{that number} - 3$ .

+7 Rule

$$\# + 7 = \boxed{1} \# - \boxed{3}$$

$$3 + 7 = 10$$

$$5 + 7 = 12$$

$$\# = 5$$

$$\underline{5} + 7 = 1 \underline{5} - 3$$

$$= \underline{1} \underline{2}$$

$$\# = 6$$

$$\underline{\quad} + 7 = 1 \underline{\quad} - 3$$

$$= \underline{\quad} \underline{\quad}$$

$$\# = 7$$

$$\underline{\quad} + 7 = 1 \underline{\quad} - 3$$

$$= \underline{\quad} \underline{\quad}$$

$$\# = 9$$

$$\underline{\quad} + 7 = 1 \underline{\quad} - 3$$

$$= \underline{\quad} \underline{\quad}$$

$$5 + 7 = \underline{1} \underline{2}$$

Since  $5 - 3 = 2$

$$6 + 7 = \underline{1} \underline{\quad}$$

Since  $6 - 3 = 3$

$$3 + 7 = \underline{1} \underline{\quad}$$

Since  $3 - 3 = 0$

$$8 + 7 = \underline{1} \underline{\quad}$$

Since  $8 - 3 = 5$

$$9 + 7 = \underline{1} \underline{\quad}$$

Since  $9 - 3 = 6$

$$7 + 7 = \underline{1} \underline{\quad}$$

Since  $7 - 3 = 4$

$$4 + 7 = \underline{1} \underline{\quad}$$

Since  $4 - 3 = 1$

$$9 + 7 = \underline{1} \underline{\quad}$$

Since  $9 - 3 = 6$

Write in your own words how to add a number to 7.

Step 1:

---



---



---



---



---



---



---



---



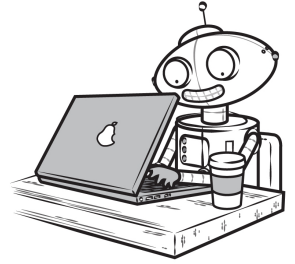
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## Dr. Programmer is Counting Pens

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.



(Don't tell anyone, but these are some of Dr. Programmer's secret commands!)



**print** This is the computer's pencil. It will be used to write something.

### Customer Phone Code:

```
red pens = 9
green pens = 3
pens = red pens+green pens
```



```
print("There is a total of ",pens," pens.")
```

### The password is:

-----

-----

-----

```
red pens = 7
green pens = 3
pens = red pens+green pens
```



```
print("There is a total of ",pens," pens.")
```

-----

-----

-----

```
blue pens = 8
pink pens = 5
orange pens = 4
```



```
print("We have ",pink pens," pink pens.")
```

-----

-----

Write the unshaded part as a decimal.



\_\_\_\_\_

If  $J = 7$ , then what does  $J + 3$  equal?

\_\_\_\_\_



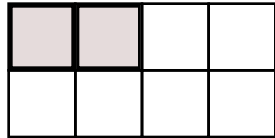

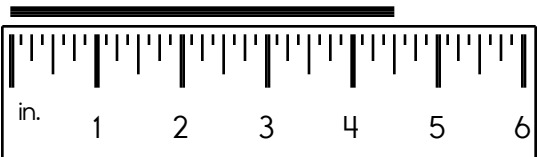
blue pens = 8  
 pink pens = 3  
 orange pens = 5



print("We have ",blue pens," blue pens.")

-----

-----

|  |   |   |
|--|---|---|
| Do parallel lines intersect?<br>_____            | If $\square = 5$ , then $\square - 3 =$ _____   | $7 \overline{)49}$  |
| $4 \overline{)36}$                               | The sum of two whole numbers is eighteen. The difference between the two numbers is six. What are these two numbers?<br>_____ | $2 \overline{)18}$  |
| What are 100 equal to?<br>_____                  | If $G = 5$ , then what does $G$ plus $G$ equal?<br>_____  | What fraction of the box is shaded?<br><br>$\frac{\square}{4}$ |
| How many gallons are equal to 40 pints?<br>_____ |    |   |
| List the first four multiples of 7.<br>_____     | Expand the number.<br>$428 =$ _____ $+$ _____ $+$ _____   |   |
| Calculate the product of 11 and 8.<br>_____      | $\begin{array}{r} 30 \\ 43 \\ + 20 \\ \hline \end{array}$   | Write the length in inches.<br>_____<br>                        |

For this page calculate a dog's life as follows:

First year of dog's life is 15 human years.

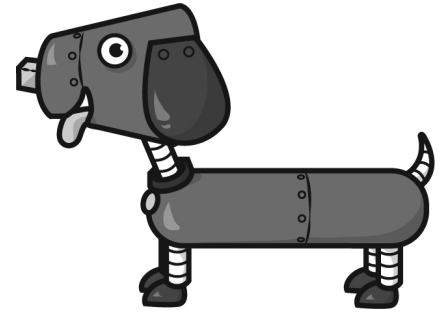
Second year of dog's life is 9 human years.

Every other year of dog's life is 5 human years.



How many times do you need to spin?

I needed to spin \_\_\_\_\_ time(s) to finish the page.



Spin fidget spinner. Quick! Do as many as you can before it stops.

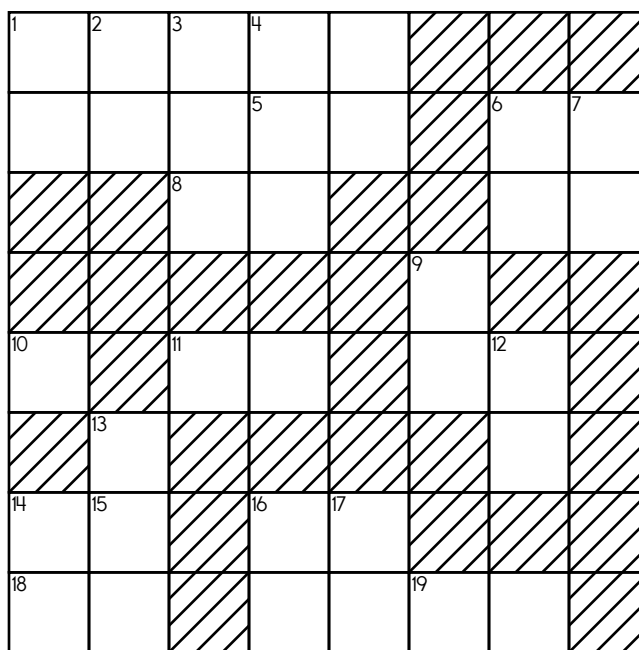
|   |  |  |  |
|---|--|--|--|
| Human Years: <u>4</u><br>Dog's Age: <u>34</u> | Human Years: <u>4</u><br>Dog's Age: _____  | Human Years: <u>12</u><br>Dog's Age: _____ | Human Years: <u>11</u><br>Dog's Age: _____ |
| Human Years: _____<br>Dog's Age: <u>15</u>    | Human Years: _____<br>Dog's Age: <u>64</u> | Human Years: <u>10</u><br>Dog's Age: _____ | Human Years: _____<br>Dog's Age: <u>59</u> |
| Human Years: <u>6</u><br>Dog's Age: _____     | Human Years: <u>8</u><br>Dog's Age: _____  | Human Years: <u>12</u><br>Dog's Age: _____ | Human Years: _____<br>Dog's Age: <u>54</u> |
| Human Years: _____<br>Dog's Age: <u>24</u>    | Human Years: <u>7</u><br>Dog's Age: _____  | Human Years: _____<br>Dog's Age: <u>39</u> | Human Years: <u>3</u><br>Dog's Age: _____  |
| Human Years: <u>11</u><br>Dog's Age: _____    | Human Years: <u>6</u><br>Dog's Age: _____  | Human Years: _____<br>Dog's Age: <u>29</u> | Human Years: _____<br>Dog's Age: <u>64</u> |

**ACROSS**

- 4. Eight more than 16-Down
- 5. Two more than 15-Down
- 8.  $9 + 16$
- 10. Two more than 13-Across
- 11. 12-Down plus 9-Down
- 13.  $4 + 4 = 2 \times \underline{\hspace{1cm}}$
- 14.  $4 + 18$
- 18.  $9 + 11$
- 19. Eight more than 5-Across

**DOWN**

- 1. 14-Down plus 8-Across
- 2.  $8 + 19$
- 3. Six times 5-Across
- 6.  $3 + 13$
- 7. 12-Down plus 16-Down
- 9. One less than 12-Down
- 12. 16-Down plus 15-Down
- 14. Two more than 18-Across
- 15. Nickels in one dollar
- 16. One less than 15-Down
- 17.  $5 + 18$



Robert's birthday is in July.  
 Rose's birthday is six months  
 after Robert's birthday. What  
 month is Rose's birthday?  
 \_\_\_\_\_

There are six cars parked in a  
 row exactly the same  
 distance from each other.  
 The first car is 29 inches from  
 the second car. The first car  
 is 58 inches from the third car.  
 How far is the second car  
 from the sixth car?  
 \_\_\_\_\_

$$\begin{array}{r} 10 \\ \times 11 \\ \hline \end{array}$$



|  |                                    |
|--|------------------------------------|
| Which is smaller, $\frac{4}{6}$ or $\frac{3}{12}$ ?<br><br>_____ | The factors of 8 are 1 ____ 4 ____ |
|--|------------------------------------|

|  |                                       |   |
|--|---------------------------------------|---|
| Which number is greater: 0.8 or 0.81?<br><br>_____ | $9 \overline{)45}$ $6 \overline{)18}$ | <input type="radio"/> eeze<br><input type="radio"/> easy<br><input type="radio"/> aesy<br><input type="radio"/> eay |
|--|---------------------------------------|---|

|   |  |
|---|--|
| How many hours are in nine days?<br><br>_____ | $6 \overline{)48}$ $8 \overline{)32}$ $7 \overline{)21}$<br><br>$5 \overline{)35}$ $5 \overline{)30}$ $9 \overline{)18}$ |
|---|--|

|   |   |   |
|---|---|---|
| Which is larger, 0.1 or 0.4?<br><br>_____ | Fill in the missing fractions.<br>$\frac{2}{9}$ , _____ , _____ , $\frac{5}{9}$ | $\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$ |
| How many days are in March?<br><br>_____  |   | $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$  |

|  |  |
|--|--|
| Write 596 in expanded notation.<br><br>_____ | Make a pattern.<br>Start with 39.<br>Subtract 5; add 3.<br><br>_____ , _____ , _____ , _____ , _____ , _____ |
|--|--|





|                 |     |                 |                   |
|-----------------|-----|-----------------|-------------------|
| 73              | +46 |                 | -15               |
|                 |     |                 |                   |
|                 |     |                 | -31               |
| $-\frac{8}{12}$ |     | $+7\frac{2}{4}$ |                   |
|                 |     |                 |                   |
| $-\frac{2}{12}$ |     | $-4\frac{3}{4}$ | $74\frac{11}{12}$ |
|                 |     |                 | -2                |

|                 |    |                  |
|-----------------|----|------------------|
| $+\frac{1}{12}$ |    | -16              |
|                 |    |                  |
| -53             |    | $+\frac{10}{12}$ |
|                 |    |                  |
| $-\frac{1}{4}$  |    | +27              |
|                 | +6 | $37\frac{7}{12}$ |

|  |  |
|--|--|
| <p>Fill in the blanks with these numbers:<br/><b>6, 3, 4</b></p> $\begin{array}{r} \square \quad 7 \\ - \quad 5 \quad \square \\ \hline 1 \quad \square \end{array}$ | <p>Fill in the blanks with these numbers:<br/><b>7, 0, 8</b></p> $\begin{array}{r} 9 \quad \square \\ - \quad 2 \quad \square \\ \hline \square \quad 8 \end{array}$ |
|--|--|

Calculate the sum of 15, 3, and 12.

\_\_\_\_\_

What place value does the 2 have in 46,239?

\_\_\_\_\_

Write a fraction to represent what is shaded.

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

\_\_\_\_\_

- mayn
- mai
- main
- maayn





How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

$$1 + 7 + 7 - 9 + 5 = \underline{\quad}$$

$$1 + 4 + (4 + 4 - 1) = \underline{\quad}$$

$$9 + 8 - 1 + 9 = \underline{\quad}$$

$$(5 + 9) + 2 + 7 + 9 = \underline{\quad}$$

$$6 - 5 + 6 + 7 + 9 = \underline{\quad}$$

$$5 - 4 + 7 - 7 = \underline{\quad}$$

$$3 - 3 + 8 - 2 = \underline{\quad}$$

$$1 + (2 + 8) - 1 + 3 = \underline{\quad}$$

$$1 + 9 - 3 + 8 + 1 = \underline{\quad}$$

$$6 - 3 - 1 + 8 = \underline{\quad}$$

$$9 + 6 - 1 + 7 = \underline{\quad}$$

$$(1 + 7 + 8) + 2 = \underline{\quad}$$

$$2 + 3 + 6 - 8 + 6 = \underline{\quad}$$

$$1 + 3 - 3 + 2 - 3 = \underline{\quad}$$

$$4 + (1 + 2) - 5 = \underline{\quad}$$

$$(3 + 8 - 9) + 2 = \underline{\quad}$$

$$8 - 5 + 6 + 5 + 8 = \underline{\quad}$$

$$8 - 6 + 8 + 2 + 3 = \underline{\quad}$$

$$5 - 3 + 9 + 9 = \underline{\quad}$$

$$6 - 3 - 2 + 6 = \underline{\quad}$$

$$1 + 6 + 6 - 7 - 1 = \underline{\quad}$$

$$5 - 4 + 3 - 3 + 7 = \underline{\quad}$$

$$(2 + 8) + 6 + 8 = \underline{\quad}$$

$$7 + 3 + 8 + 6 + 5 = \underline{\quad}$$

$$5 + 6 + 6 + 2 = \underline{\quad}$$



## Greater and Less Than

### Customer Phone Code:

```
FirstNumber = 20
SecondNumber = 30
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

```
FirstNumber = 21
SecondNumber = 24
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

```
FirstNumber = 49
SecondNumber = 43
if (FirstNumber <= SecondNumber)
  print ("Less than or equal")
else:
  print ("Greater than");
```

```
FirstNumber = 29
SecondNumber = 28
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

### The password is:

L e s s t h a n

\_\_\_\_\_

Choose the word that best completes the sentence.

I decided to have (two/too) hamburgers at lunch.

Write the fraction for 0.48.

\_\_\_\_\_





```
MYGRADE = 91
if (MYGRADE >= 90)
  print ("Nice score!")
if (MYGRADE < 90)
  print ("Keep trying")
```

N i c e s c o r e !

```
MYGRADE = 88
if (MYGRADE >= 90)
  print ("Nice score!")
if (MYGRADE < 90)
  print ("Keep trying")
```

```
MYGRADE = 90
if (MYGRADE >= 90)
  print ("You got an A")
if (MYGRADE < 90) and (MYGRADE >= 80)
  print ("Not Bad, at least in 80s")
if (MYGRADE < 80)
  print ("Um. Maybe study next time?")
```

Y o u g o t a n  
A

```
MYGRADE = 95
if (MYGRADE >= 90)
  print ("You got an A")
if (MYGRADE < 90) and (MYGRADE >= 80)
  print ("Not Bad, at least in 80s")
if (MYGRADE < 80)
  print ("Um. Maybe study next time?")
```

\_\_\_\_\_  
\_\_\_\_\_

If  $g = 14$ , then what does  $g - 4$  equal?

\_\_\_\_\_

Can you think of a five-letter word that has the vowel I in it?

\_\_\_\_\_



Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 4.

Every row must contain the numbers 1, 2, 3, and 4.

Every column must contain the numbers 1, 2, 3, and 4.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

|                 |           |            |            |
|-----------------|-----------|------------|------------|
| 4+<br>1<br>1234 | 1234      | 6+<br>1234 | 4<br>1234  |
| 9+<br>1234      | 2<br>1234 | 4<br>1234  | 6+<br>1234 |
| 1234            | 1<br>1234 | 8+<br>1234 | 1234       |
| 2<br>1234       | 4<br>1234 | 1234       | 3<br>1234  |

Fill in the blanks. These equations are from the puzzle above.

$1 + \underline{\quad} = 4$

$\underline{\quad} + \underline{\quad} + 2 = 9$

$\underline{\quad} + 3 + \underline{\quad} = 6$

$\underline{\quad} + 4 + \underline{\quad} = 8$

$\underline{\quad} + 4 = 6$

|                |                 |                |                 |
|----------------|-----------------|----------------|-----------------|
| 49             | $-1\frac{1}{4}$ |                | +59             |
|                |                 |                | $-\frac{6}{12}$ |
|                | +2              |                | $+\frac{1}{12}$ |
| +16            |                 |                |                 |
|                |                 |                |                 |
| $-\frac{2}{4}$ |                 | -30            | $93\frac{5}{6}$ |
|                |                 | $+\frac{2}{4}$ |                 |

|                  |     |                  |
|------------------|-----|------------------|
|                  | +34 |                  |
| -14              |     | $-\frac{3}{4}$   |
|                  |     |                  |
| $+9\frac{3}{12}$ |     | -53              |
|                  |     |                  |
| +8               |     | $-\frac{1}{4}$   |
|                  |     | $77\frac{7}{12}$ |

Add one hundred to 185.  
\_\_\_\_\_

What is the value of the BIG digit?  
4,19**2**,423  
\_\_\_\_\_



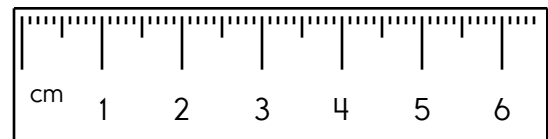
Fill in the blanks with these numbers:  
**1, 9, 1**

|     |   |
|-----|---|
|     | 5 |
| 1   |   |
| + 2 | 3 |
|     |   |
| 4   |   |

Fill in the blanks with these numbers:  
**1, 2, 2**

|   |   |
|---|---|
| 2 | 4 |
|   | 2 |
| + |   |
|   |   |
|   |   |
| 5 | 8 |

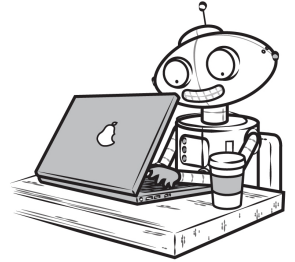
Write the length in centimeters.  
\_\_\_\_\_



Would you use a ruler or a yardstick to measure the length of the height of your teacher?  
\_\_\_\_\_

# Girl or Boy?

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.



## Customer Phone Code:

```
KID="Hannah"
P="girl"
print( KID," is a ",P )
```

```
print ( "She likes soccer!" )
```

```
KID="Austin"
P="boy"
print( KID," is a ",P )
```

```
print ( "He plays hockey." )
```

## The password is:

Hannah is a girl

\_\_\_\_ \_k\_\_\_\_  
\_\_\_\_\_

Do you use A.M. or P.M. to write 7:00 in the evening?

\_\_\_\_\_

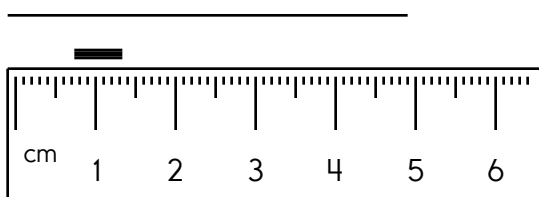
Write the number for two thousand, seven hundred six.

\_\_\_\_\_

$$\begin{array}{r} 45 \\ + 26 \\ \hline \end{array}$$



Write the length in centimeters.



Share 18 equally among 3.

\_\_\_\_\_

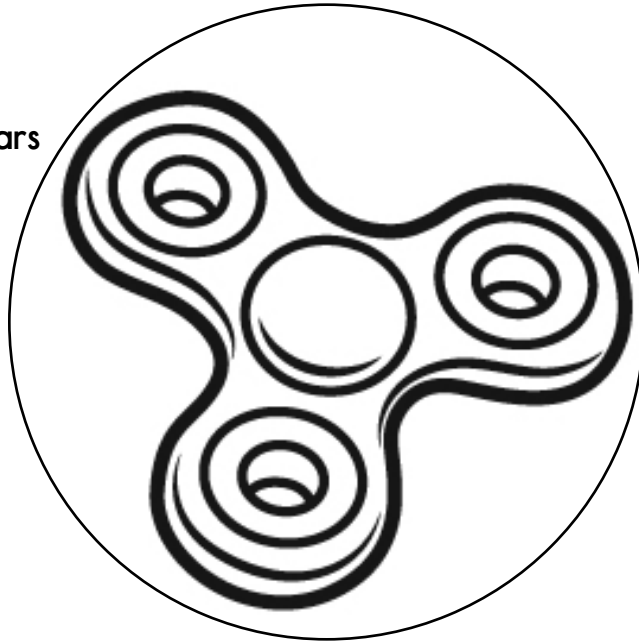
Write the number with 3 thousands and 4 ones.

\_\_\_\_\_

$$5 \overline{)10}$$

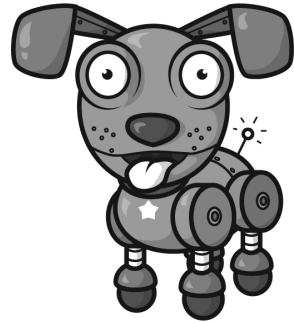
**Directions:**

Use the rule that  
1 human year = 7 dog years  
to fill in the blanks.



How many times  
do you need to spin?

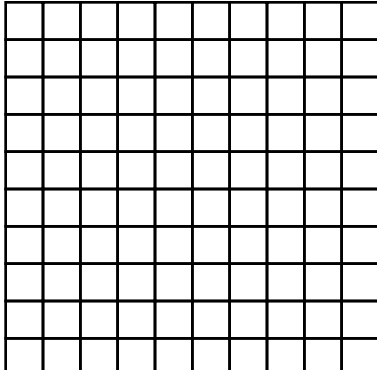
I needed to spin \_\_\_\_\_  
time(s) to finish the page.

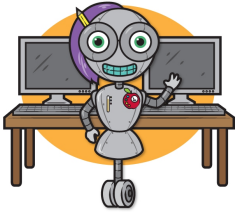


Spin fidget spinner. Quick! Do as many as you can before it stops.

|   |  |  |  |
|---|--|--|--|
| Dog's Age: <u>28</u><br>Human Years: <u>4</u> | Dog's Age: <u>14</u><br>Human Years: _____ | Dog's Age: <u>63</u><br>Human Years: _____ | Dog's Age: <u>35</u><br>Human Years: _____ |
| Dog's Age: <u>84</u><br>Human Years: _____    | Dog's Age: <u>35</u><br>Human Years: _____ | Dog's Age: _____<br>Human Years: <u>10</u> | Dog's Age: <u>21</u><br>Human Years: _____ |
| Dog's Age: _____<br>Human Years: <u>3</u>     | Dog's Age: _____<br>Human Years: <u>7</u>  | Dog's Age: _____<br>Human Years: <u>2</u>  | Dog's Age: <u>63</u><br>Human Years: _____ |
| Dog's Age: <u>42</u><br>Human Years: _____    | Dog's Age: <u>84</u><br>Human Years: _____ | Dog's Age: _____<br>Human Years: <u>11</u> | Dog's Age: _____<br>Human Years: <u>8</u>  |
| Dog's Age: _____<br>Human Years: <u>6</u>     | Dog's Age: <u>56</u><br>Human Years: _____ | Dog's Age: <u>77</u><br>Human Years: _____ | Dog's Age: _____<br>Human Years: <u>7</u>  |



|   |  |   |
|---|--|---|
| <p>Write the correct symbol.</p> <p style="text-align: center;">&lt;   =   &gt;</p> <p style="text-align: center;">795   ○   795</p>                                | <p>What are the first four multiples of 9?</p> <p>_____</p>  | <p>Color <math>\frac{8}{10}</math>.</p>  |
| <p>What is the fourth month with 30 days?</p> <p>_____</p>  |  | <p>How many seconds are in three minutes?</p> <p>_____</p>  |
| $\begin{array}{r} 86 \\ + 22 \\ \hline \end{array}$   | $\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$  | $7 \times 3 = \underline{\quad}$  |
| <p>Erin and Amy ran a race. Erin came in fiftieth place. Amy was five runners after Erin. Write the ordinal number for the place that Amy came in.</p> <p>_____</p> | $3 \overline{)21}$   | $\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$  |
| <p>How many centimeters are in five hundred millimeters?</p> <p>_____</p>   | <p>Hunter lives on a farm. He takes care of a flock of geese. If each goose eats eight ounces of cracked corn each day, how many ounces of corn will he need to feed five geese for four days?</p> | $6 \overline{)54}$<br><br>$2 \overline{)8}$   |
| <p>If you take 44 away from me, the difference is 59. What number am I?</p> <p>_____</p>  |  | $7 \overline{)63}$<br><br>$\begin{array}{r} 75 \\ - 59 \\ \hline \end{array}$   |



Miss Meena is your new math teacher. And she is a robot!  
She doesn't talk. Do you know how she teaches her class?

Miss Meena typed:

```
x = 5
print ("What is x?")

print (x)
```

The computer replied:

What is x?  
5

```
x = 68
print ("What is x?")

print (x)
```

----- -- --  
---

```
x = 5
y = 6
print ("What is x + y?")

Answer = x + y
print (Answer)
```

What is x + y?  
11

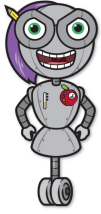


Can you read that? That is how Miss Meena teaches. She codes computer programs. Did you guess correctly what the computer replied with? ~~Don't ask robot dog!~~

It is 48 degrees Fahrenheit outside. What would you wear if you are going outside?  
\_\_\_\_\_

How many fifths are in 4?  
\_\_\_\_\_

- round
- riand
- rund
- ruond



## Can you figure these out?

```
x = 853
y = 52
print ("What is y?")

print (y)
```

```
x = 15
y = 11
print ("What is x + y?")

Answer = x + y
print (Answer)
```

-----

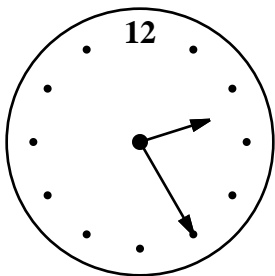
---

```
x = 19
y = 86
print ("What is y - x?")

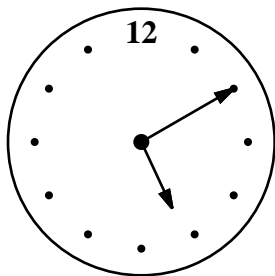
Answer = y - x
print (Answer)
```

-----

---



current time (pm)



time party starts (pm)

How long until the party? \_\_\_\_\_

What is the mode of these numbers?

22, 16, 16, 27, 16, 16, 22, 25, 23, 16, 26, 23

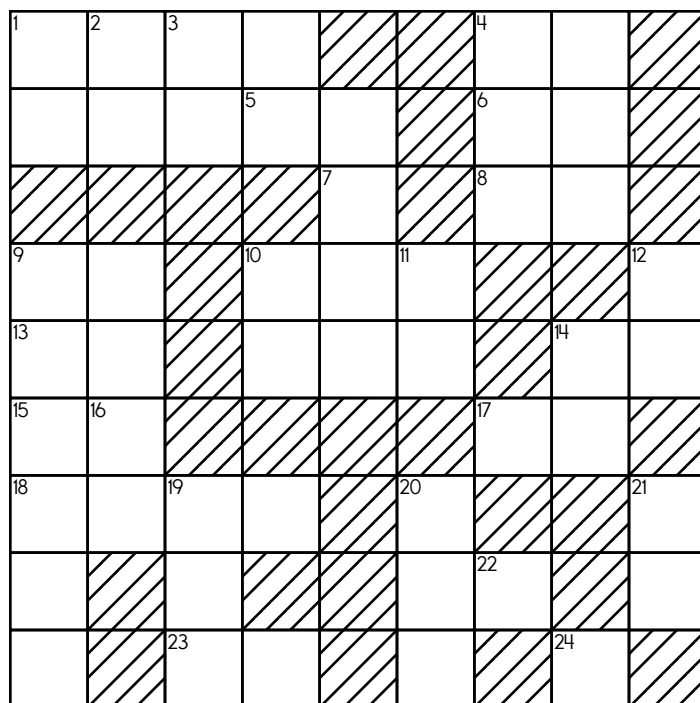
\_\_\_\_\_

### ACROSS

- 2. Eight times 2-Down
- 4. Six more than 16-Down
- 5. 4-Across plus 14-Down
- 6. Nickels in one dollar
- 8. One more than 23-Across
- 9.  $8 + 12$
- 12.  $4 + 4 = 2 \times \underline{\hspace{1cm}}$
- 13. One more than 8-Across
- 14.  $4 + 13$
- 15. Eight more than 1-Down
- 19. One less than 14-Down
- 23. Two times 14-Down

### DOWN

- 1. 21-Down plus 8-Across
- 2. Five less than 6-Across
- 3. Six more than 6-Down
- 6. Three more than 6-Across
- 7. Five more than 20-Down
- 10.  $5 + 16$
- 11. 2-Down plus 6-Down
- 14.  $4 + 14$
- 16.  $4 + 12$
- 17. One more than 12-Across
- 18. Seven times 16-Down
- 19. Nine times 19-Across
- 20. Eight times 6-Down
- 21. Six less than 4-Across
- 22. Eight less than 14-Across
- 24. Seven less than 2-Down



Everyone knows Jimmy Jackson is the best racecar driver west of the Mississippi. He's been racing since the day he turned 16. On his 40th birthday he is going to celebrate by breaking a world record and driving for 19 straight hours. In the past, his top speed was 278 miles per hour. How many total miles will he drive if he races at his top speed for half the time and beats his previous record speed by 5 mph for the other half?

Show your work.

|      |    |  |    |  |
|------|----|--|----|--|
| 55.3 | -4 |  | +7 |  |
|------|----|--|----|--|

|  |  |  |  |       |
|--|--|--|--|-------|
|  |  |  |  | -55.2 |
|--|--|--|--|-------|

|      |  |      |  |       |
|------|--|------|--|-------|
| +2.7 |  | -1.9 |  | +53.5 |
|------|--|------|--|-------|

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| -3.8 |  |  |  |  |
|------|--|--|--|--|

|  |    |  |    |      |       |
|--|----|--|----|------|-------|
|  | +8 |  | -6 | 55.6 | +17.4 |
|--|----|--|----|------|-------|

|  |     |  |       |
|--|-----|--|-------|
|  | +36 |  | -14.8 |
|--|-----|--|-------|

|       |  |  |  |
|-------|--|--|--|
| -19.6 |  |  |  |
|-------|--|--|--|

|  |  |  |      |
|--|--|--|------|
|  |  |  | +5.1 |
|--|--|--|------|

|     |  |  |  |
|-----|--|--|--|
| +11 |  |  |  |
|-----|--|--|--|

|  |  |  |       |
|--|--|--|-------|
|  |  |  | -29.6 |
|--|--|--|-------|

|      |  |  |  |
|------|--|--|--|
| -9.1 |  |  |  |
|------|--|--|--|

|  |  |  |      |
|--|--|--|------|
|  |  |  | +3.2 |
|  |  |  | 55.2 |

|     |    |  |
|-----|----|--|
| 5.2 | +6 |  |
|-----|----|--|

|  |  |       |
|--|--|-------|
|  |  | +19.9 |
|--|--|-------|

|  |       |  |
|--|-------|--|
|  | +16.5 |  |
|--|-------|--|

|     |  |  |
|-----|--|--|
| +15 |  |  |
|-----|--|--|

|  |      |  |       |    |
|--|------|--|-------|----|
|  | +2.8 |  | -38.4 | 27 |
|--|------|--|-------|----|

|  |       |      |
|--|-------|------|
|  | +67.7 | 90.6 |
|--|-------|------|

|    |  |     |
|----|--|-----|
| +4 |  | -30 |
|----|--|-----|

|  |  |      |
|--|--|------|
|  |  | 18.9 |
|--|--|------|

|      |  |  |
|------|--|--|
| -8.1 |  |  |
|------|--|--|

|  |  |  |      |
|--|--|--|------|
|  |  |  | +7.3 |
|--|--|--|------|

|      |    |      |
|------|----|------|
| 67.9 | +9 | 76.9 |
|------|----|------|

Now that Dr. Programmer knows how to multiply, add, and subtract, it's time for some division.

10 divided by 2 is written  $10 / 2$  on his computer.

/

**Miss Meena typed:**

```
print (64 / 8)
```

**The computer replied:**

```
8
```

```
print (7 * 3)
```

```
---
```

```
print (42 / 6)
```

```
—
```

```
print (32 + 48)
```

```
print (18 / 2)
```

```
print (12 * 2)
```

```
A = 856
```

```
B = 8
```

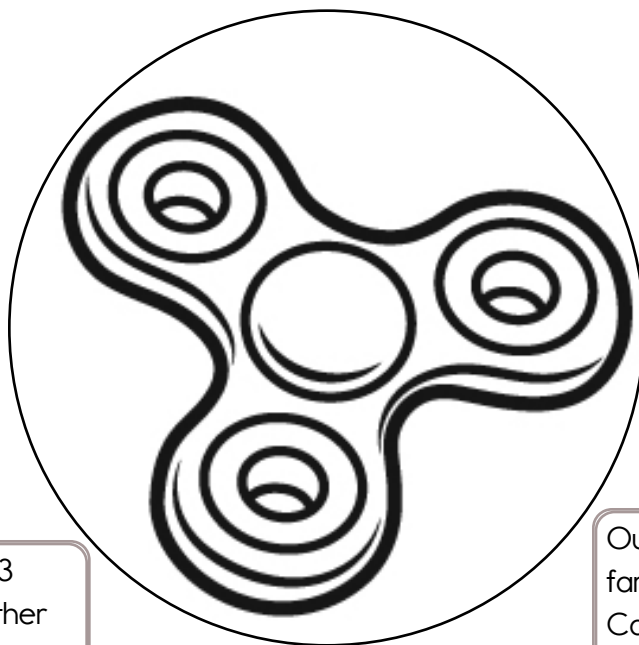
```
C = A - B
```

```
print (C)
```

```
print (21 / 3)
```

```
print (40 + 29)
```

Use a scrap piece of paper.



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

David's grandmother lives 323 miles away. Peter's grandmother lives 103 miles away. How much farther away is David's grandmother?

The Premier Company estimated that they lost about \$16 per hour to fraud during the first week of April. About how much money did the company lose to fraud that week?

Max bought 6 AA batteries. Each battery cost \$1.25. Use the expression  $n \times 1.25$  to find the cost of the batteries.

Kevin and his father left for the butterfly garden at 9:42 a.m. They had lunch and went to the garden. They arrived back home at 3:19 p.m. How long were they gone?

Mrs. Anderson gave each of her 3 children an equal amount of money to spend at the beach. She gave them \$12.6 in all. How much money did each child get?

Anna made 8 pastries. She used 2 ounces of walnuts for each pastry. How many pounds of walnuts did she use?

Each of the circus elephants ate 33 pounds of peanuts a day. How many pounds of peanuts would the 9 elephants eat in 7 days?

A package of  $\frac{3}{4}$ " safety pins costs \$2.99. If Jack buys a package of  $\frac{3}{4}$ " safety pins, how much change will he get from a twenty-dollar bill?

Our neighbor, Mrs. Miller, said her family originally immigrated to Canada in 1885. How many years ago did her family immigrate to Canada?

Alex bought a tiny turtle for \$1.25 and turtle food for \$0.36. He gave the clerk \$2. How much change did he get?

Adam bought 4 packs of tiny flags for the citizenship program. There are 12 flags in each pack. How many flags did Adam buy in all?

There were 47 dictionaries on the shelf. Mrs. Hall gave 25 to his students. How many were left on the shelf?



Spin the fidget spinner again until you finish THIS page. I needed to spin \_\_\_\_\_ time(s) to finish.

Our mailman brought our mail at 1:14 p.m. yesterday. Today he brought it at 3:45 p.m. How many minutes later was the mailman today?

There were 133 men on the ship. During the storm, 29 of the men got sick. How many men did not get sick?

Mrs. Lee bought 2.5 pounds of green beans for dinner. The beans cost \$1.29. How much would 7.5 pounds of green beans cost?

Nathan built a reading loft in his room. The floor of the loft was 6.1 feet long and 6.3 feet wide. What was the perimeter of the loft?

Amy hugged 12 people on Hug Holiday. Holly hugged three times as many people as Amy. How many people did Holly hug?

The second grade students were practicing for a play for Good Manners Month. They began at 2:35 p.m. and quit at 4:30 p.m. How long did the practice last?

Emma's mother cuddled her. Emma went to sleep at 9:35 p.m. She woke up at 6:15 a.m. How much time passed?

It was such pandemonium! On Friday, 329 students brought their pets to school. Two-thirds of the pets were dogs. How many were not dogs?

To prepare for National Kite Month, the toy store ordered 17 boxes of kites. There were 12 kites in each box. How many kites were ordered in all?

Gavin bought a box of dog biscuits. The box cost \$1.47. He gave the storekeeper \$2. How much change will he get back?

The Daily Dozen Donut Company makes 1,104 donuts every day. How many donuts does the company make in 2 weeks?

One package of safety pins has 21 safety pins in it. How many safety pins are in 4 packages? Write an equation and solve the problem.

Holly likes to read poems by Emily Dickinson. Last night she read from 7:30 p.m. until 9:20 p.m. How long did she read?

The Edison Elementary School cafeteria workers made 39 pizzas for lunch. They cut each pizza into 12 pieces. How many pieces of pizza were there in all?

Kevin and his father left for the sports store at 10:16 a.m. They arrived back home at 1:28 p.m. How long were they gone?

Wendy read her book from 11:44 a.m. until 1:24 p.m. How long did she read the book?

Spell the ou sound.

OU O

fl o u rs

d \_ \_ wnloading

sh \_ \_ wer

cr \_ \_ wns

d \_ \_ \_ bted

p o wer

p \_ \_ \_ nding

c \_ \_ wboy

t \_ \_ wers

\_ \_ \_ tstanding

b \_ \_ w

ann \_ \_ \_ ncing

s \_ \_ \_ ring

peaf \_ \_ wl

c \_ \_ \_ nt

l **ou** nging

cr **o** wn

sc \_ \_ wling

b \_ \_ ws

s \_ \_ theastern

t \_ \_ wer

outh \_ \_ se

p \_ \_ wders

n \_ \_ wadays

**downt\_wn**

d o d t o d w d o w n t o w n t m q

**eyebr\_w**

y w e b e e e y e b r o w j e w g v

**b\_wed**

l n a b o w e d b l o w e d s o w b

**cl\_ \_ding**

c l u d i n d x c l o u d i n g o p

**pl\_ws**

u j o p b p l o z m w p p l o w s o

**cr\_wned**

e f g o d c r o w n e d u k r o u d

**gr\_wls**

o l g r o u z l w g g r o w l s w w

**p\_ \_ch**

w c g h p o u c h p u c h e j h p t

**p\_ \_ncing**

p o u n c i n g p o u n c h i n g n

**gunp\_wder**

w g u n p o w d e r o g h d d v n o

**dr\_wning**

w g o d r o w n i n g d r o w i n g

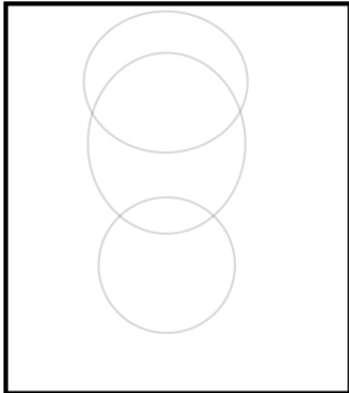
**p\_wdered**

p o w d e r d d p o w d e r e d n p

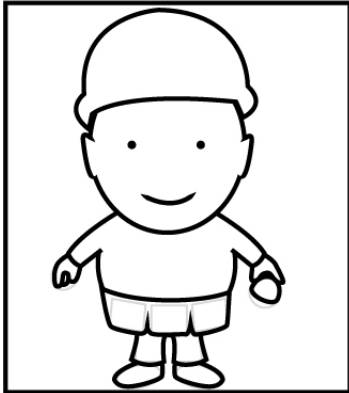
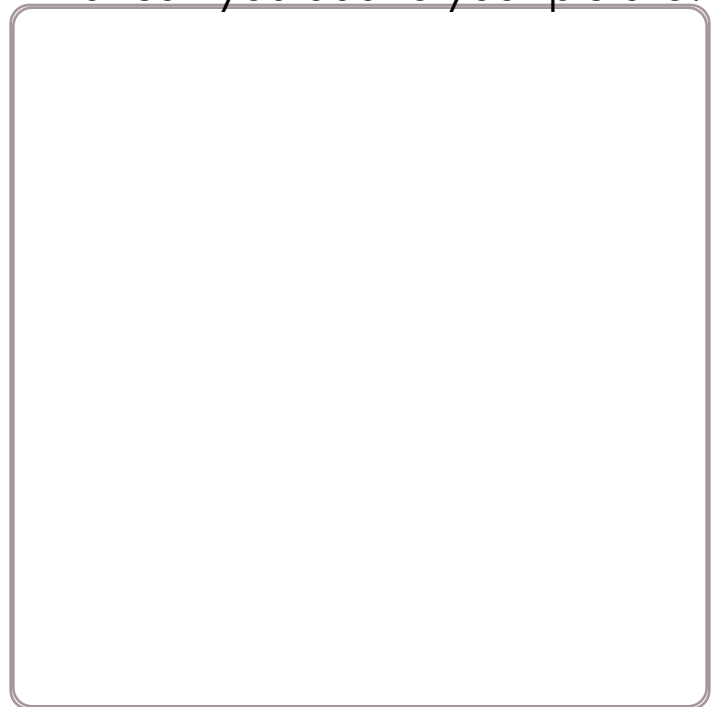
**p\_ \_nce**

p d c j s p o u c e p o u n c e p c



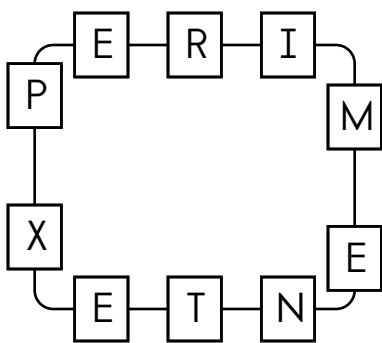


Draw it.  
What can you add to your picture?



I added \_\_\_\_\_

Write the hidden word. Start at one letter and then move either left or right.



Which is smaller,  $\frac{3}{4}$  or  $\frac{2}{4}$  ?

\_\_\_\_\_

$$\begin{array}{r} 49 \\ + 11 \\ \hline \end{array}$$

Make a pattern.

Start with 87.

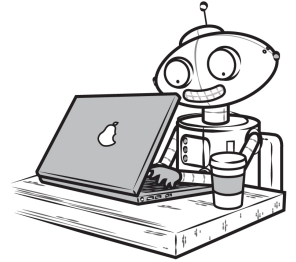
Subtract 11.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

If  $\square = 9$ , then  $9 + \square =$  \_\_\_\_\_

## Randomizer Rumbles

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.



### Miss Meena typed:

```
# Dr. Programmer needs to pick
# a random number from 1 to 9.
# I wonder what the computer will pick!
A = Random(1,9)
print ("A number from 1 to 9? I pick", A, ".")
```

### The computer replied:

A number  
from 1 to 9?  
I pick 7 .

```
# Hint: You need to be the computer and
# PICK the random number!
A = Random(1,9)
print ("I pick", A, ".")
```

— ——— — —

```
A = Random(1,9)
print (A)
```

3

```
A = Random(1,9)
print (A)
```

—

```
# Hint: Now a number from 100 to 999
A = Random(100,999)
print (A)
```

277

```
A = Random(100,999)
print (A)
```

———

```
A = Random(100,999)
print (A)
```

\_\_\_\_\_

```
A = Random(100,999)
print (A)
```

\_\_\_\_\_

```
A = Random(1,9)
print (A)
```

—

```
A = Random(1,9)
print (A)
```

\_\_\_\_\_

```
A = Random(10,99)
print ("I can't wait until
      I am ",A,"years old.")
```

I can't wait  
until I am  
59 years  
old.

```
A = Random(10,99)
print ("I can't wait until
      I am ",A,"years old.")
```

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

$$\begin{array}{r} 64 \\ + 46 \\ \hline \end{array}$$

Circle the smallest number.  
386    734    451  
432    473    429

What is the area of a square that measures 11 cm on one of its sides?  
\_\_\_\_\_

```
A = Random(1,5)
print ("A = ",A)
B = Random(6,9)
print ("B = ",B)
C = A + B
print ("C = ",C)
```

```
— — —
— — —
— — —
```

```
A = Random(1,5)
print ("A = ",A)
B = Random(6,9)
print ("B = ",B)
C = A + B
print ("C = ",C)
```

```
A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)
```

13

```
A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)
```

```
A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)
```

```
A = Random(1,5)
print ("A = ",A)
B = Random(6,9)
print ("B = ",B)
C = A + B
print ("C = ",C)
C = C + 1
print ("C = ",C)
D = A + B
print ("D = ",D)
```

— — —  
 — — —  
 — — —  
 — — —  
 — — —

```
A = Random(55,56)
print ("A = ",A)
```

— — —

Round the number to the place value of the BIG number.

49,8**4**9,332

\_\_\_\_\_

$$2 \overline{)6}$$

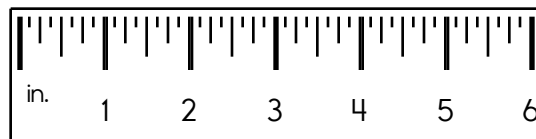
$$3 \overline{)15}$$

Write two odd numbers that when added together equal the even number 40.

\_\_\_\_\_

Write the length in inches.

\_\_\_\_\_



$$\begin{array}{r} 86 \\ - 65 \\ \hline \end{array}$$

Insert a comma in the appropriate place in this sentence.

I have been sick for two weeks but I am starting to feel better.



$2 \times 8 = \underline{\quad}$

$10 \times 3 = \underline{\quad}$

$12 \times 10 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$

$3 \times 11 = \underline{\quad}$

$9 \times 11 = \underline{\quad}$



$6 \times 8 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$

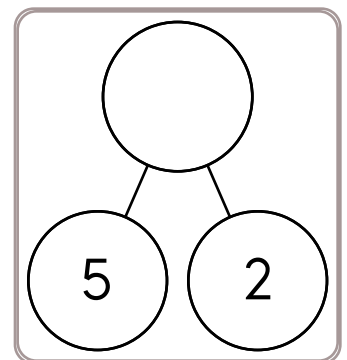
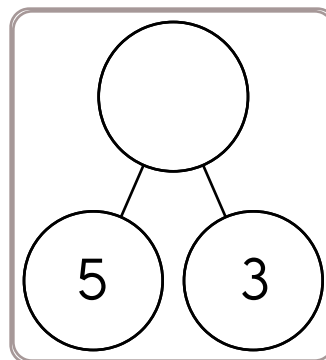
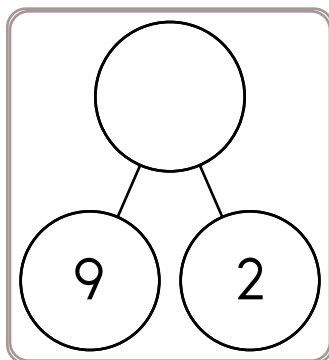
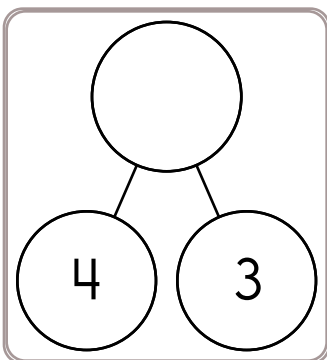
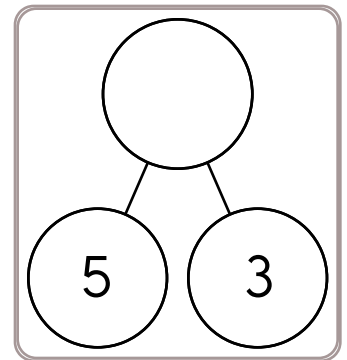
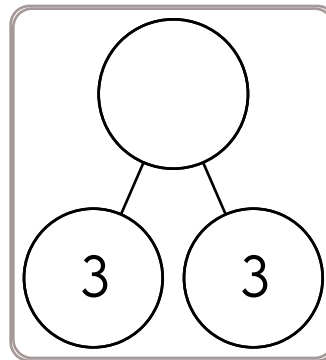
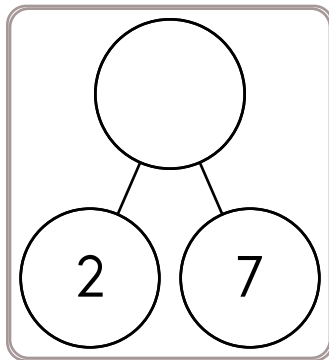
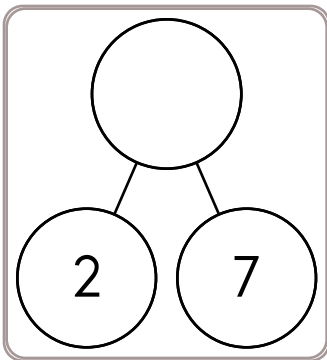
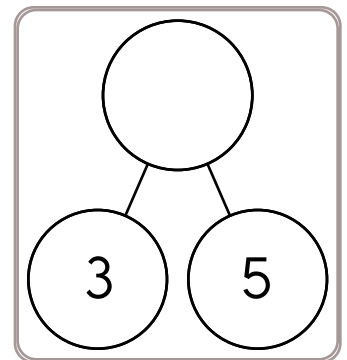
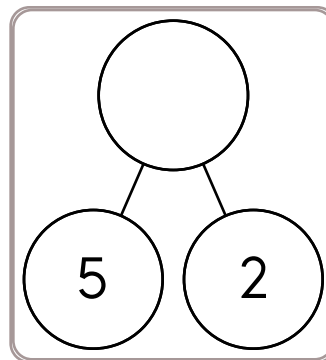
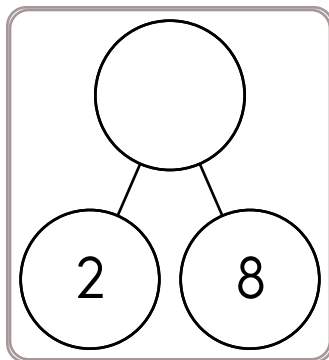
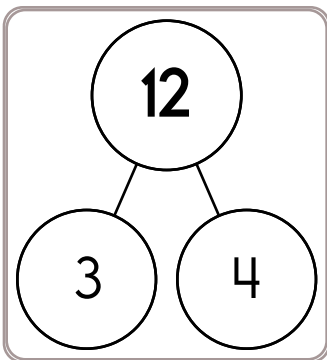
$11 \times 2 = \underline{\quad}$

$8 \times 8 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$

$9 \times 11 = \underline{\quad}$

Spin fidget spinner. Quick! Multiply. Complete each number bond. Do as many as you can before it stops.



$11 \times 3 = \underline{\quad}$

$10 \times 9 = \underline{\quad}$

$8 \times 5 = \underline{\quad}$

$12 \times 2 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$



$7 \times 8 = \underline{\quad}$

$5 \times 12 = \underline{\quad}$

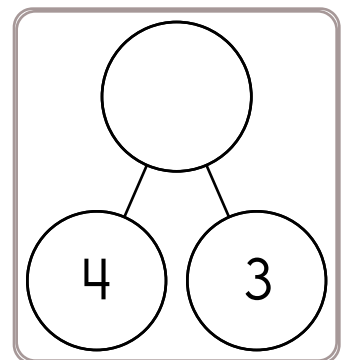
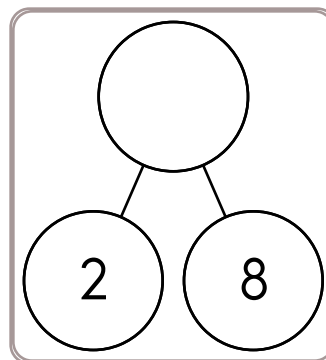
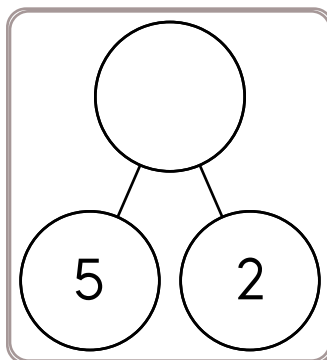
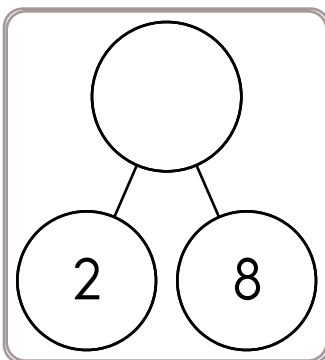
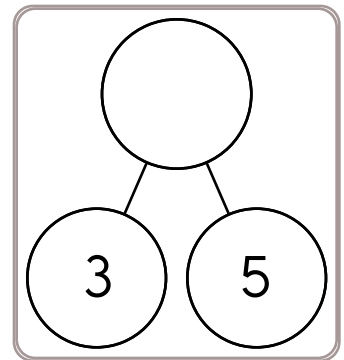
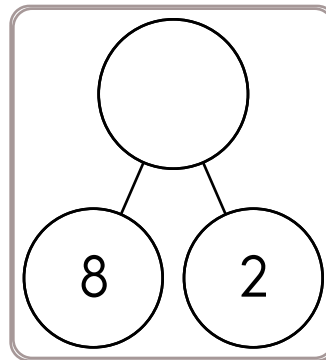
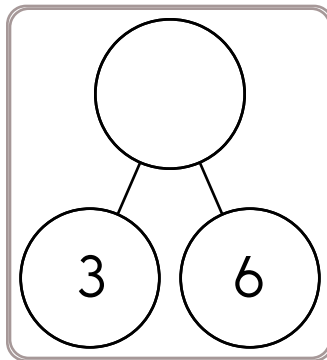
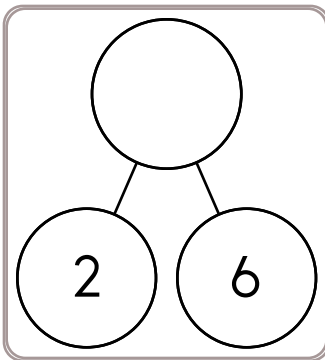
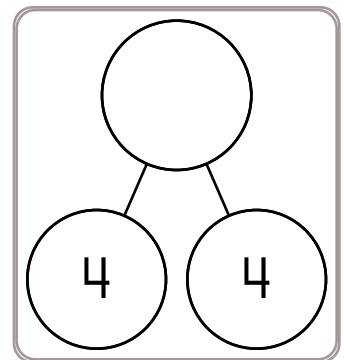
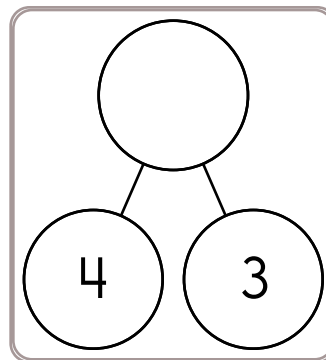
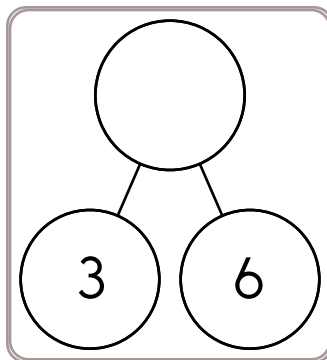
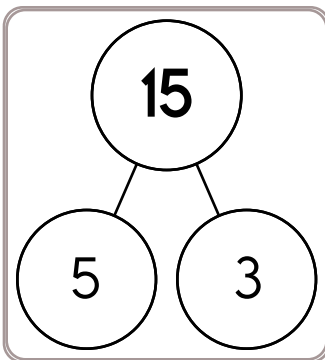
$2 \times 4 = \underline{\quad}$

$3 \times 7 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$7 \times 12 = \underline{\quad}$

Spin fidget spinner. Quick! Multiply. Complete each number bond. Do as many as you can before it stops.

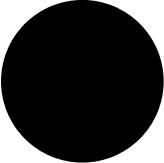
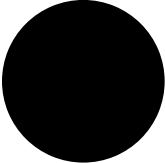

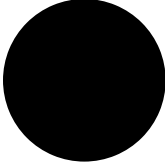
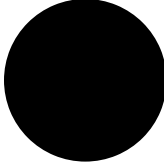
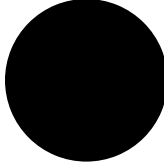
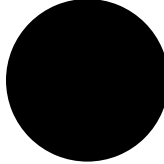
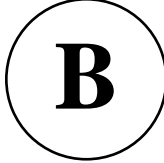
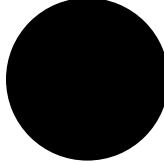
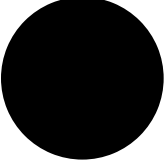
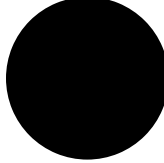
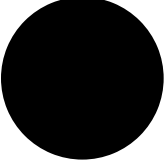
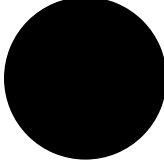
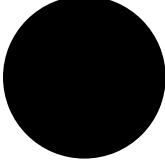
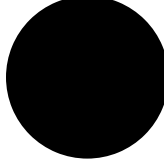


Name \_\_\_\_\_



Date July \_\_\_\_\_

Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a circle. No stopping on an empty box.** Try to collect all the circles and end your last line on the **E** circle. You can go through a circle more than once.

|   |   |   |  |  |   |   |
|---|---|---|--|--|---|---|
|    |  |   |  |  |  |   |
|   |   |    |  |    |  |    |
|   |   |   |  |  |  |    |
|   |   |   |  |  |   |   |
|  |   |   |  |  |   |  |
|  |   |   |  |  |   |   |
|   |   |  |  |  |   |  |

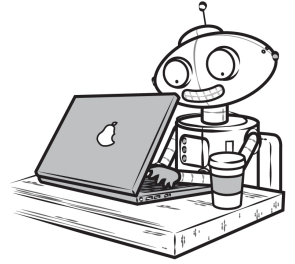
Didn't get them all? That's ok. This was hard. I missed only \_\_\_\_\_ circles.

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 24, 27, or 21. The other three numbers have to all be DIFFERENT and can be from these numbers: 1.4, 3.4, 6.6, 4.2, 0.8, or 8.2.

|                  |                  |                   |                  |                  |                   |                   |             |     |
|------------------|------------------|-------------------|------------------|------------------|-------------------|-------------------|-------------|-----|
|                  | 1.4              |                   |                  | 3.4              |                   |                   |             |     |
|                  |                  | either 0.8 or 8.2 |                  |                  | less than 27      |                   |             |     |
| 8.2              | <b>34.8</b>      | 4.2               |                  | 6.6              | <b>45.2</b>       | 8.2               | <b>39.6</b> | 0.8 |
|                  |                  | either 6.6 or 4.2 |                  |                  |                   |                   |             |     |
|                  | 21               |                   | 24               |                  |                   |                   | 6.6         |     |
|                  |                  |                   |                  | odd              |                   |                   |             |     |
|                  | <b>29.4</b>      |                   | <b>36.4</b>      | 8.2              | <b>42.8</b>       |                   | <b>40</b>   |     |
|                  |                  | less than 1.4     |                  |                  | either 4.2 or 8.2 |                   |             | odd |
|                  |                  |                   |                  |                  |                   |                   |             |     |
|                  | less than 4.2    |                   | odd              | greater than 1.4 |                   | even              |             |     |
|                  | <b>38.4</b>      |                   | <b>41.2</b>      |                  | <b>38.2</b>       |                   | <b>42.6</b> | 0.8 |
| greater than 0.8 |                  | even              |                  |                  | either 3.4 or 6.6 |                   |             |     |
|                  |                  |                   |                  |                  |                   |                   |             |     |
|                  | either 4.2 or 27 |                   | odd              | even             |                   | odd               |             |     |
|                  | <b>35.4</b>      |                   | <b>35.4</b>      |                  | <b>35.4</b>       |                   | <b>32.6</b> |     |
|                  |                  | less than 21      | greater than 1.4 | either 1.4 or 27 |                   |                   |             |     |
|                  |                  |                   |                  |                  |                   |                   |             |     |
|                  | greater than 3.4 |                   | even             | even             |                   | odd               |             |     |
|                  | <b>38.6</b>      |                   | <b>35.2</b>      |                  |                   |                   |             |     |
| either 21 or 27  |                  | even              | either 21 or 4.2 |                  | even              |                   |             |     |
|                  |                  |                   |                  |                  |                   |                   |             |     |
|                  |                  | less than 8.2     |                  | odd              |                   | either 4.2 or 3.4 |             |     |

## Guessing

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.



**Miss Meena typed:**

```
print ("Let's play a game
      of guess my number")
```

**The computer replied:**

```
-----
-----
u-----
```

```
print ("I am ready.")
```

```
A = 3
MY GUESS = 5
if (A == MY GUESS)
  print ("correct")
if (A < MY GUESS)
  print ("too low")
if (A > MY GUESS)
  print ("too high")
```

```
-----
```

```
A = 3
MY GUESS = 2
if (A == MY GUESS)
  print ("correct")
if (A < MY GUESS)
  print ("too low")
if (A > MY GUESS)
  print ("too high")
```

```
-----
```

```
A = 6
MY GUESS = 6
if (A == MY GUESS)
  print ("correct")
if (A < MY GUESS)
  print ("too low")
if (A > MY GUESS)
  print ("too high")
```

\_\_\_\_\_

```
B = 6
MY MONEY = 8
print ("You need ",B," dollars.");
if (MY MONEY >= B)
  print ("I have enough.")
if (MY MONEY < B)
  print ("I need more.")
```

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

```
B = 6
MY MONEY = 6
print ("You need ",B," dollars.");
if (MY MONEY >= B)
  print ("I have enough.")
if (MY MONEY < B)
  print ("I need more.")
```

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

```
B = 6
MY MONEY = 3
print ("You need ",B," dollars.");
if (MY MONEY >= B)
  print ("I have enough.")
if (MY MONEY < B)
  print ("I need more.")
```

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

```

B = 9
MY MONEY = 19
print ("You need ",B," dollars.");
if (MY MONEY >= B)
    print ("I have enough.")
if (MY MONEY < B)
    print ("I need more.")
    
```



Write the shaded part as a decimal.

\_\_\_\_\_

How many inches are in four feet?

\_\_\_\_\_

Which is longer: two feet or twenty-eight inches?

\_\_\_\_\_

Write the length in inches.

\_\_\_\_\_

Round to the nearest hundred.

51,295 is rounded to \_\_\_\_\_

5,972 is rounded to \_\_\_\_\_

47,461 is rounded to \_\_\_\_\_

What number is one thousand more than 3,609?

\_\_\_\_\_

$$\begin{array}{r}
 12 \\
 + 98 \\
 \hline
 \end{array}$$

Write the length in inches.

\_\_\_\_\_

Name the polygon that has ten vertices.

\_\_\_\_\_

What is the rule for each pattern?

42, 3, 37, 16, 32, 29, 27, 42, 22, \_\_\_\_\_, \_\_\_\_\_, 68, 12

4, 79, 6, 69, 8, 59, 10, 49, 12, \_\_\_\_\_, 14, 29

92, 8, 84, 19, 76, 30, 68, 41, 60, \_\_\_\_\_, \_\_\_\_\_, 63

Find the missing numbers. These both have the same rule. What is the rule?

If

$$1, 8 = 9$$

$$2, 13 = 15$$

$$3, 18 = 21$$

$$4, 22 = 26$$

Then

$$5, 26 = ?$$

If

$$7, 12 = 19$$

$$8, 15 = 23$$

$$9, 17 = 26$$

$$10, 20 = 30$$

Then

$$11, 22 = ?$$



|  |  |  |  |  |  |  |  |  |  |  |   |
|--|--|--|--|--|--|--|--|--|--|--|---|
| <p>Round the number to the place value of the BIG number.</p> <p>8,3<b>2</b>4,827</p> <p>_____</p> | <p>Color in <math>\frac{1}{3}</math>.</p> <table style="width: 100%; text-align: center;"> <tr><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td></tr> <tr><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td></tr> <tr><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td><td style="border: 1px solid black; width: 30px; height: 30px;"></td></tr> </table> |  |  |  |  |  |  |  |  |  | <p>Round 943,258 to the nearest hundred.</p> <p>_____</p> |
|  |  |  |  |  |  |  |  |  |  |  |   |
|  |  |  |  |  |  |  |  |  |  |  |   |
|  |  |  |  |  |  |  |  |  |  |  |   |

Write the final part of each math analogy.

$69 + 90 : \text{odd} :: 42 + 24 :$  \_\_\_\_\_

Explain why you think your answer is correct.

born in 2008 : 4 candles on birthday cake in 2012 :: born in 2006 : \_\_\_\_\_

Explain why you think your answer is correct.

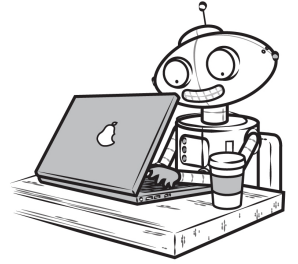
|  |   |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|
| <p>Fill in the missing fractions.</p> <p><math>\frac{1}{5}</math> , _____ , <math>\frac{3}{5}</math> , _____</p> | <p>If there are five orange marbles and four green marbles in a box, what is the probability that you will pick out a green one with your eyes shut?</p> <p>_____</p> | <p>What fraction of the box is shaded?</p> <table style="width: 100%; text-align: center;"> <tr><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td><td style="border: 1px solid black; width: 20px; height: 20px; background-color: #cccccc;"></td><td style="border: 1px solid black; width: 20px; height: 20px;"></td><td style="border: 1px solid black; width: 20px; height: 20px;"></td></tr> </table> <p style="text-align: center;"> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px; vertical-align: middle;"></span><br/> <math>\frac{\quad}{4}</math> </p> |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |

|   |   |
|---|---|
| <p>What temperature is seventeen degrees above freezing in Fahrenheit?</p> <p>_____</p> | <p>The factors of 15 are _____ 5 15</p> |
|---|---|

Write one synonym for this word.

frequent

\_\_\_\_\_



Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.

### Miss Meena typed:

```
A = 8277
B = 100
C = A + B
print ("The number that is ",
       B," more than ",A," is ",C)
```

### The computer replied:

```
The number that
is 100 more than
8277 is 8377
```

```
A = 5013
B = 10
C = A + B
print ("The number that is ",
       B," more than ",A," is ",C)
```

```
The number that
is 10 more than
5013 is 5023
```

```
A = 3668
B = 100
C = A + B
print ("The number that is ",
       B," more than ",A," is ",C)
```

```
-----
-----
-----
```

```
A = 8428
B = 10
C = A + B
print ("The number that is ",
       B," more than ",A," is ",C)
```

```
-----
-----
-----
```

A = 64642

B = 1000

C = A + B

print ("The number that is ",  
B," more than ",A," is ",C)

-----

-----

-----

A = 22560

B = 10000

C = A + B

print ("The number that is ",  
B," more than ",A," is ",C)

-----

-----

-----

-----

A = 5465

B = 100

C = A + B

print (B," more than ",A," is ",C)

-----

-----

A = 1373

B = 10

C = A + B

print (B," more than ",A," is ",C)

-----

-----

A = 78455

B = 1000

C = A + B

print (B," more than ",A," is ",C)

-----

-----

Write the numeral for six  
hundred eighty-three.

\_\_\_\_\_

In each pair, circle the word that is  
spelled correctly.

include, includ  
hopeless, hopeless  
flock, flok

### Sudoku Sums of 7

Each row, column, and box must have the numbers 1 through 6.  
 All six numbers must be used, and none can be repeated.  
 Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 7.

Here is an example of a sudoku sum of 7:



$$9 \overline{)54}$$

|   |   |   |   |   |  |
|---|---|---|---|---|--|
|   | 4 |   |   | 1 |  |
|   | 3 |   |   | 5 |  |
| 4 | 6 |   |   |   |  |
|   |   | 1 |   |   |  |
|   |   |   | 5 | 3 |  |
|   |   |   | 2 | 4 |  |

Fill in the blanks with these numbers:

**5, 1, 9**

$$\begin{array}{r}
 6 \quad \square \quad 4 \\
 + \quad \square \quad 6 \quad 1 \\
 \hline
 8 \quad \square \quad 5
 \end{array}$$

Fill in the blanks with these numbers:

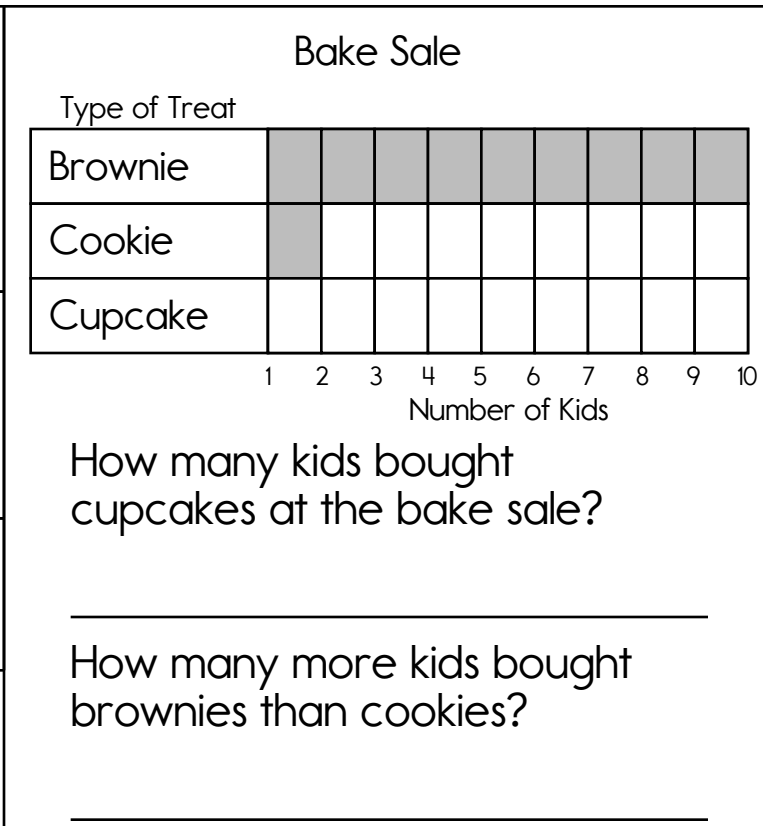
**2, 4, 6**

$$\begin{array}{r}
 \square \quad 7 \quad 4 \\
 + \quad \square \quad \square \quad 5 \\
 \hline
 9 \quad 1 \quad 9
 \end{array}$$

The month before me has thirty days. The month after me has thirty-one days. What month am I?  
 February      March  
 April          July

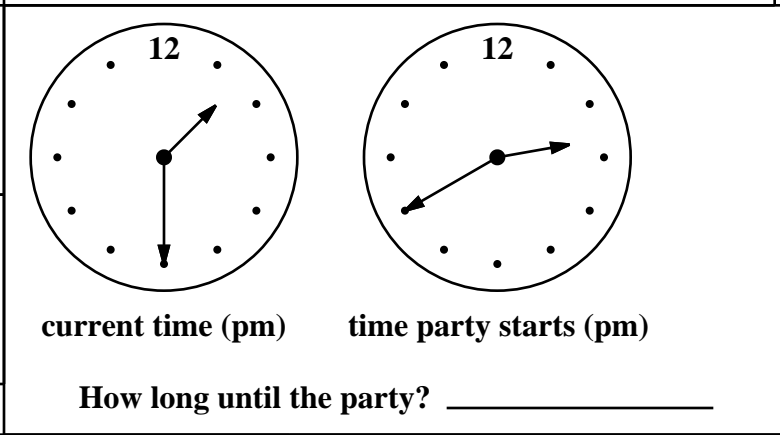
This polygon has four more sides than a triangle. What polygon is this?  
 \_\_\_\_\_

What is one-tenth of 720?  
 \_\_\_\_\_



If  $G + G = 16$ , then what does  $G$  equal?  
 \_\_\_\_\_

Write an even number with a three in the thousands place.  
 \_\_\_\_\_



Fill in the blanks with these numbers:  
**8, 2, 4**

|   |   |  |
|---|---|--|
| 6   | 2 |  |
| +   | 2 |  |
| <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> </div> |   |  |

Fill in the blanks with these numbers:  
**7, 5, 2**

|   |   |
|---|---|
| 7 |   |
| - | 5 |
|   |   |
|   | 2 |

Is 19 prime or composite?  
 \_\_\_\_\_

There are 18 quarts of ice cream on the store shelf. How many gallons of ice cream is this?

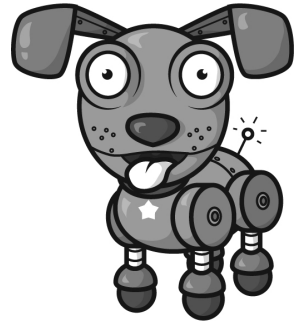
**Directions:**

Use the rule that  
1 human year = 7 dog years  
to fill in the blanks.



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.



Spin fidget spinner. Quick! Do as many as you can before it stops.

|  |  |  |  |
|--|--|--|--|
| Human Years: <u>11</u><br>Dog's Age: <u>77</u> | Human Years: <u>2</u><br>Dog's Age: _____  | Human Years: <u>1</u><br>Dog's Age: _____  | Human Years: <u>2</u><br>Dog's Age: _____  |
| Human Years: <u>12</u><br>Dog's Age: _____     | Human Years: _____<br>Dog's Age: <u>42</u> | Human Years: <u>4</u><br>Dog's Age: _____  | Human Years: <u>4</u><br>Dog's Age: _____  |
| Human Years: _____<br>Dog's Age: <u>63</u>     | Human Years: _____<br>Dog's Age: <u>35</u> | Human Years: _____<br>Dog's Age: <u>70</u> | Human Years: <u>3</u><br>Dog's Age: _____  |
| Human Years: _____<br>Dog's Age: <u>56</u>     | Human Years: <u>7</u><br>Dog's Age: _____  | Human Years: <u>7</u><br>Dog's Age: _____  | Human Years: _____<br>Dog's Age: <u>77</u> |
| Human Years: _____<br>Dog's Age: <u>63</u>     | Human Years: <u>12</u><br>Dog's Age: _____ | Human Years: _____<br>Dog's Age: <u>84</u> | Human Years: <u>5</u><br>Dog's Age: _____  |

|                 |                |                 |                  |
|-----------------|----------------|-----------------|------------------|
| 17              | +59            |                 | $+6\frac{5}{12}$ |
|                 |                |                 |                  |
|                 | +15            |                 | -4               |
| $-\frac{7}{12}$ |                |                 |                  |
|                 | $-\frac{1}{2}$ | $92\frac{1}{3}$ | $+\frac{1}{2}$   |

|     |    |                  |
|-----|----|------------------|
| +25 |    | $+2\frac{1}{2}$  |
|     |    |                  |
| -19 |    | $+\frac{10}{12}$ |
|     |    |                  |
| +33 | +9 | $144\frac{1}{6}$ |

|  |  |   |
|--|--|---|
| <p>Fill in the blanks with these numbers:<br/><b>8, 3, 1</b></p> $\begin{array}{r} 7 \quad 0 \\ + \quad \square \quad 3 \\ \hline \square \quad \square \end{array}$ | <p>Fill in the blanks with these numbers:<br/><b>4, 3, 5</b></p> $\begin{array}{r} \square \quad 9 \\ - \quad 1 \quad \square \\ \hline \square \quad 4 \end{array}$ | <p>What is the value of the BIG digit?</p> <p><u>1,176,210</u></p>  |
| <p>Fill in the blanks with these numbers:<br/><b>3, 4, 2</b></p> $\begin{array}{r} 7 \quad 5 \\ - \quad \square \quad 3 \\ \hline \square \quad \square \end{array}$ |  | <p>Write the number for four thousand, fifty-nine.</p> <p><u>4,059</u></p>                                      |
| <p>Fill in the blanks with these numbers:<br/><b>6, 7, 2</b></p> $\begin{array}{r} \square \quad 6 \\ + \quad \square \quad 0 \\ \hline 9 \quad \square \end{array}$ |  | <p>Circle the even numbers.</p> <p>122    43    21    45<br/>85    60    80    66<br/>76    138    72    42</p> |
| <p>What are 44 hundreds equal to?</p> <p><u>4,400</u></p>  |  |   |

Dr. Programmer knows how to program with his computer. He uses the STAR key, which is \*. On a computer you have to press Shift and 8 at the same time to type that. How confusing!

5 times 2 is written  $5 * 2$  on his computer.



Miss Meena typed:

The computer replied:

print (2 \* 5)

10

print (2 \* 7)

---

print (9 + 6)

---

print (9 \* 8)

---

print (36 + 20)

---

print (88 - 53)

---

print (4 \* 3)

---

If  $\square = 10$ , then  $7 + \square =$  \_\_\_\_\_

What polygon has seven sides?  
\_\_\_\_\_

$$\begin{array}{r} 97 \\ - 37 \\ \hline \end{array}$$

List the first five multiples of 9.  
\_\_\_\_\_

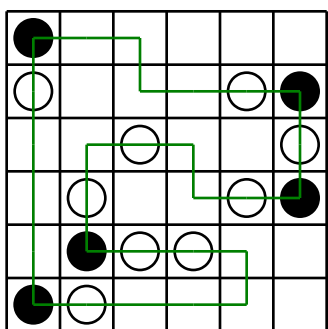
$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$



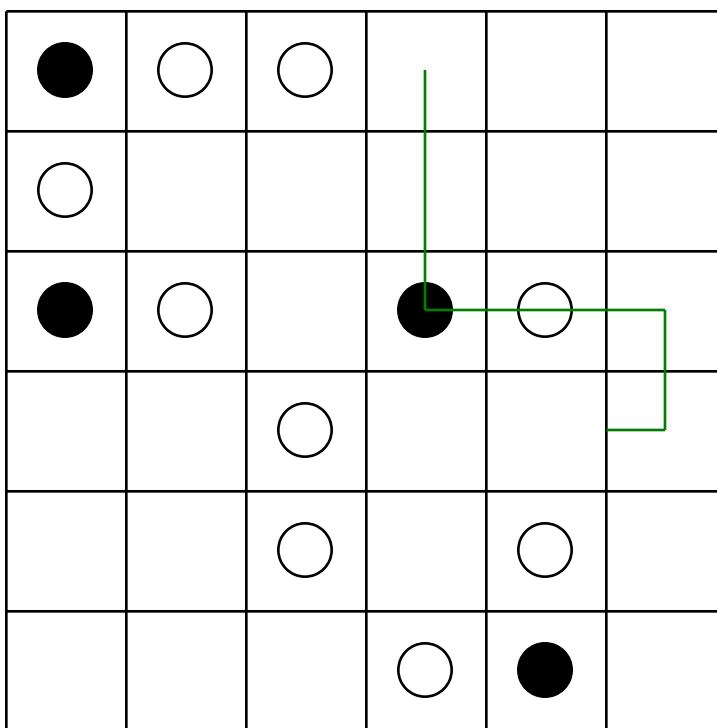
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn. You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The first puzzle shows a correct line going through all the circles.

Example:



Finish the line:



Fill in the missing fractions.

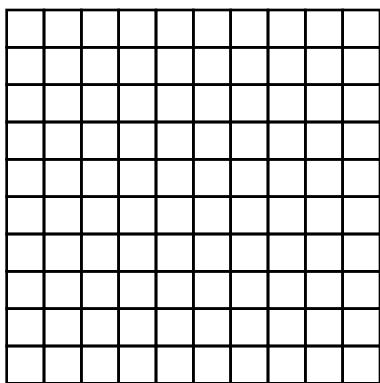
\_\_\_\_\_ , \_\_\_\_\_ ,  $\frac{3}{10}$  ,  $\frac{4}{10}$

Count by 3s.

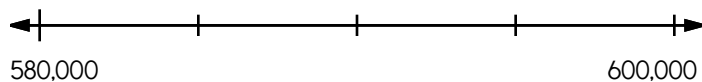
9

27

Color 0.70.



Locate where to put the number 590,000 and label the point M.



$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

Circle the word that best completes the sentence.

I hope they get (their/they're) homework done.

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 11, 12, or 25. The other three numbers have to all be DIFFERENT and can be from these numbers: 1.8, 0.8, 4.6, 2.8, 6.4, 3.6, or 9.4.

|                   |           |    |                   |     |                  |                 |                  |                  |
|-------------------|-----------|----|-------------------|-----|------------------|-----------------|------------------|------------------|
|                   | 4.6       |    | 9.4               |     | 9.4              |                 | 6.4              |                  |
|                   |           |    | less than 12      |     |                  |                 |                  |                  |
| 3.6               | <b>22</b> | 11 | <b>31.4</b>       | 4.6 | <b>39.8</b>      |                 | <b>34</b>        |                  |
|                   |           |    |                   |     |                  | greater than 11 |                  | even             |
|                   | 2.8       |    |                   |     |                  |                 | 1.8              |                  |
|                   |           |    | even              |     | less than 3.6    |                 |                  |                  |
|                   |           |    | <b>16.4</b>       |     | <b>23.8</b>      | 1.8             | <b>30.4</b>      |                  |
| either 4.6 or 1.8 |           |    | odd               |     |                  |                 | greater than 1.8 | 25               |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    | even              |     |                  | odd             |                  | even             |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    | <b>24</b>         |     | <b>20.2</b>      |                 | <b>41.6</b>      |                  |
|                   |           |    | either 12 or 6.4  |     | even             |                 | odd              | odd              |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    | less than 3.6     |     | less than 3.6    |                 | even             |                  |
|                   |           |    |                   |     |                  |                 | less than 12     |                  |
|                   |           |    | <b>26.8</b>       |     | <b>25</b>        |                 | <b>21.8</b>      |                  |
| greater than 1.8  |           |    | odd               |     | greater than 0.8 |                 | greater than 1.8 | greater than 0.8 |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    | odd               |     | either 1.8 or 12 |                 | even             |                  |
|                   |           |    |                   |     |                  |                 | less than 25     |                  |
|                   |           |    | <b>18.2</b>       |     | <b>23</b>        |                 |                  |                  |
| odd               |           |    | either 4.6 or 0.8 |     | odd              |                 | greater than 1.8 | odd              |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    |                   |     |                  |                 |                  |                  |
|                   |           |    | even              |     | either 9.4 or 25 |                 |                  |                  |



### Patterns

Miss Meena typed:

```
# Trying to make a pattern.
# Does this work?
A = 9
B = 3
C = A + B
D = C + B
E = D + B
print ("This pattern counts by ", B)
print ("The pattern is ",A," ",B," ",C);
```

The computer replied:

This pattern  
counts by 3  
The pattern  
is 9 , 3 , 12

```
A = 6
B = 2
C = A + B
D = C + B
E = D + B
print ("This pattern counts by ", B)
print ("The pattern is ",A," ",B," ",C);
```

-----  
 -----  
 -----  
 -----

```
A = 6
B = 4
C = A + B
D = C + B
E = D + B
print ("The pattern is ",A," ",B," ",C);
```

The pattern is  
6 , 4 , 10

```
A = 5
B = 4
C = A + B
D = C + B
E = D + B
print ("The pattern is ",A," ",B," ",C);
```

\_\_\_e \_\_\_\_\_ s  
 - - - - -



```

A = 7
B = 3
C = A + B
D = C + B
E = D + B
print ("The pattern is ",A," ",B," ",C);

```

T \_ \_ \_ a \_ \_ e \_ \_ i \_ \_  
 \_ \_ \_ \_ \_

```

ADDTO = 4
STARTNUM = 7
NUM2 = STARTNUM + ADDTO
NUM3 = NUM2 + ADDTO
NUM4 = NUM3 + ADDTO
print (STARTNUM," ",NUM2," ",NUM3," ",NUM4)

```

7 . 11 . 15  
 . 19

```

ADDTO = 3
STARTNUM = 6
NUM2 = STARTNUM + ADDTO
NUM3 = NUM2 + ADDTO
NUM4 = NUM3 + ADDTO
print (STARTNUM," ",NUM2," ",NUM3," ",NUM4)

```

6 \_ 9 \_ \_ 2 \_  
 \_ 5

```

ADDTO = 4
STARTNUM = 9
NUM2 = STARTNUM + ADDTO
NUM3 = NUM2 + ADDTO
NUM4 = NUM3 + ADDTO
print (STARTNUM," ",NUM2," ",NUM3," ",NUM4)

```

\_ \_ \_ \_ \_  
 \_ \_ \_

Which number is two hundred forty-seven?

- 247      427      2,470
- 7,240

Fill in the missing fractions.

$\frac{3}{7}$  , \_\_\_\_\_ , \_\_\_\_\_ ,  $\frac{6}{7}$



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

$2 + 8 + 6 = \underline{\quad}$

$1 \times (9 - 1 - 3) = \underline{\quad}$

$(2 \times 3) - 6 = \underline{\quad}$

$2 + 8 \times 2 - 8 = \underline{\quad}$

$2 \times 2 - 1 = \underline{\quad}$

$9 \times 9 - 8 - 9 = \underline{\quad}$

$1 + 5 + 9 + 3 = \underline{\quad}$

$8 + 1 + 9 + 4 = \underline{\quad}$

$4 \times 2 + 2 + 2 = \underline{\quad}$

$(9 \times 6 - 8) - 5 = \underline{\quad}$

$8 + 3 \times 8 = \underline{\quad}$

$6 \times 9 + 8 \times 2 = \underline{\quad}$

$7 + 5 + 3 + 8 = \underline{\quad}$

$7 + 8 + 5 = \underline{\quad}$

$1 \times 6 \times 2 \times 5 = \underline{\quad}$

$8 \times (3 \times 9) = \underline{\quad}$

$3 + 5 \times 9 = \underline{\quad}$

$4 - 1 + 9 + 5 = \underline{\quad}$

$7 \times (8 - 6) = \underline{\quad}$

$6 \times 2 \times 3 \times 3 = \underline{\quad}$

$9 \times 9 - 4 + 9 = \underline{\quad}$

$(1 \times 4) + 4 = \underline{\quad}$

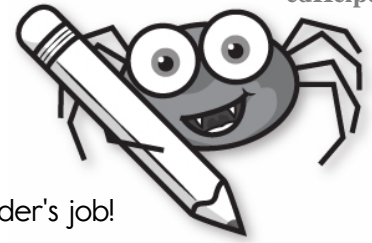
$7 + 5 \times 7 - 8 = \underline{\quad}$

$(6 - 5) + 6 = \underline{\quad}$

$9 - 2 - 5 = \underline{\quad}$

$(5 - 5) + 9 = \underline{\quad}$

$6 + 7 \times 7 - 4 = \underline{\quad}$



Write in `<bold>Bold<stop bold>`.

Write in **Bold**.

Spider works at Chem Corp. Her job is to make web pages. After all, that is a spider's job! Spider is teaching a class on making web pages. She is teaching about bold.

"Class," says Spider. "Match the web page text on the left with what it will look like. I did the first one for you."

### Spider Writes:

- `<bold>Run<stop bold>` to school.
- Making `<bold>web pages<stop bold>` is cool!
- Spider wants a `<bold>playdate<stop bold>`.
- Spider `<bold>wants to play</bold>`.

### Web Page Looks Like:

- Making web pages is cool!
- Making **web pages** is cool!
- **Spider** wants to play.
- **Spider** wants a playdate.
- Spider wants a **playdate**.
- Spider **wants to play**.
- Run to school.
- **Run** to school.

Spider is making her web page. This is what she wants it to look like:

Spiders have **eight legs**.

Spider wrote:

Spiders have `<bold>eight legs<stop bold>`.

You are making your own web page. This is what you want it to look like:

A butterfly is an **insect**.

How would you code that for the web? Pretend you are a spider if you have to!

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

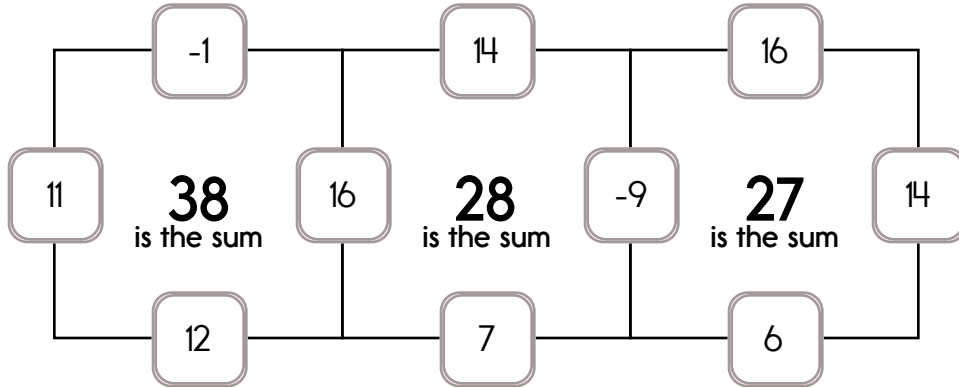
Example:

$$11 + 16 + 12 - 1 = 38$$

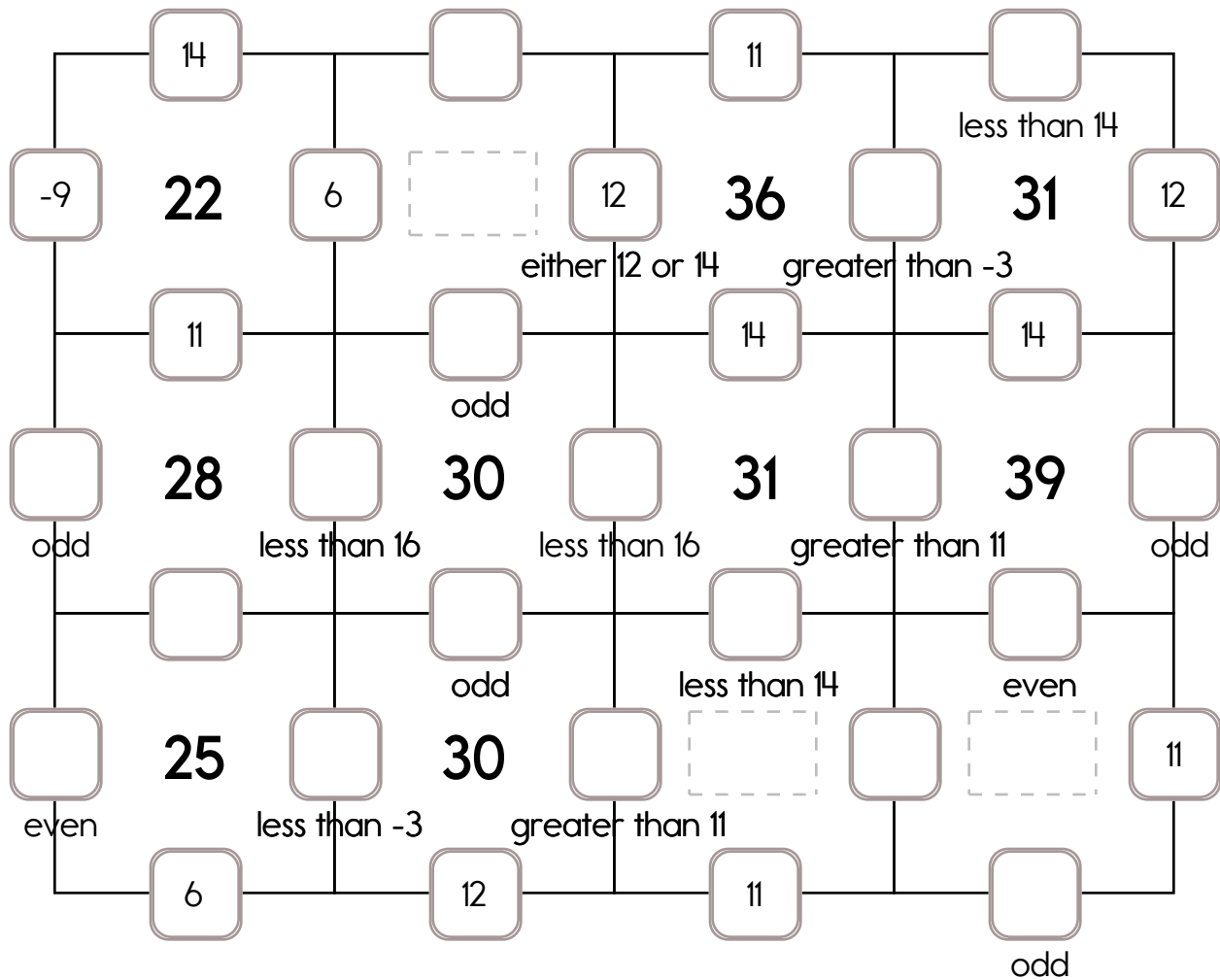
Example:

$$14 + 16 + 6 - 9 = 27$$

Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: -1, -3, or -9. The other three numbers have to all be DIFFERENT and can be from these numbers: 12, 14, 11, 7, 6, or 16.



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 16, 25, or 29. The other three numbers have to all be DIFFERENT and can be from these numbers: 9.8, 3.8, 1.2, 5.4, 6.6, 7.4, or 2.6.

|                      |                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                      | 6.6                  | 25                   |                      | 5.4                  |                      |                      |                      |                      |
| 29                   | <b>42</b>            | 2.6                  | <input type="text"/> | 7.4                  | <b>40.2</b>          | <input type="text"/> | <b>41.4</b>          | 1.2                  |
|                      | 3.8                  | 3.8                  |                      | 1.2                  |                      |                      |                      |                      |
| <input type="text"/> | <b>35.4</b>          | <input type="text"/> | <b>27.6</b>          | <input type="text"/> | <b>28.4</b>          | <input type="text"/> | <b>46</b>            | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 7.4                  | <b>51.6</b>          | <input type="text"/> | <b>50.8</b>          | <input type="text"/> | <b>45.6</b>          | <input type="text"/> | <b>41.4</b>          | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <b>49.2</b>          | <input type="text"/> | <b>41.4</b>          | <input type="text"/> | <b>44.2</b>          | <input type="text"/> | <b>38.2</b>          | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <b>40.6</b>          | <input type="text"/> | <b>45.6</b>          | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

less than 16  
 odd  
 either 9.8 or 7.4  
 either 3.8 or 25  
 odd  
 greater than 2.6  
 even  
 either 25 or 7.4  
 odd  
 greater than 2.6  
 either 9.8 or 3.8  
 less than 16  
 odd  
 less than 25  
 greater than 3.8  
 greater than 2.6  
 either 9.8 or 29  
 less than 25  
 either 9.8 or 7.4  
 either 29 or 3.8  
 odd  
 greater than 5.4  
 greater than 2.6  
 odd  
 either 29 or 25  
 odd  
 odd  
 either 7.4 or 5.4  
 even  
 less than 16  
 less than 2.6  
 either 2.6 or 29  
 greater than 2.6  
 less than 29

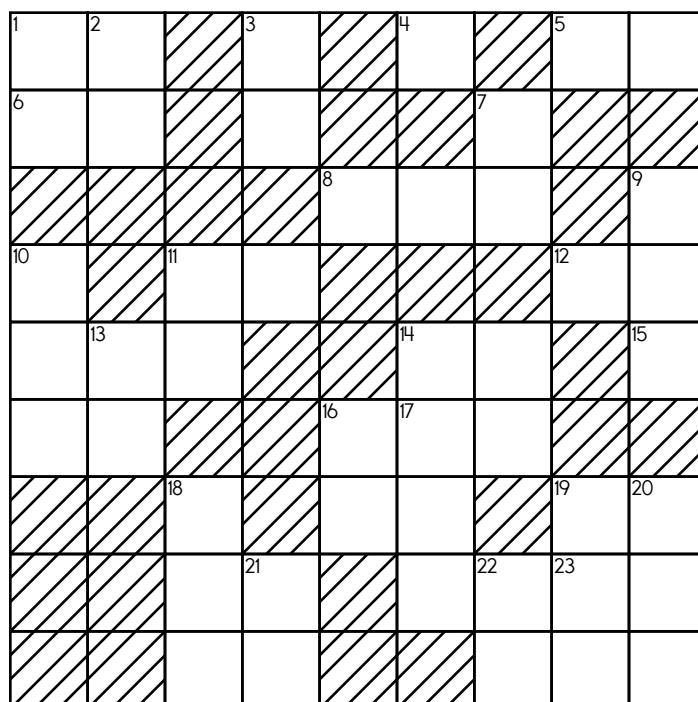


**ACROSS**

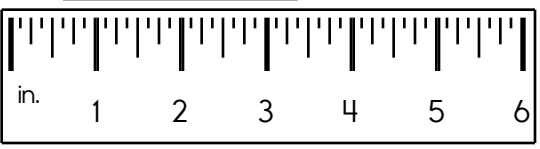
1. 16-Down plus 4-Down
5. One less than 13-Across
6.  $8 + 18$
8. Four less than 17-Down
11.  $8 + 17$
12.  $7 + 17$
13. Nickels in one dollar
14.  $7 + 14$
15.  $3 + 3 = 2 \times \underline{\hspace{1cm}}$
16. Five times 1-Across
19. Two times 2-Down

**DOWN**

1.  $7 + 15$
2. 16-Down plus 13-Across
3. 13-Across plus 4-Down
4. Nine less than 16-Down
7. Two more than 13-Down
9. 7-Down plus 16-Across
10. Eight times 6-Across
11.  $9 + 11$
13. Seven more than 5-Across
16. Four less than 13-Across
17. Seven times 13-Down
18. Six times 2-Down
20. Four more than 18-Down
21.  $9 + 12$
22. Four more than 1-Across
23. Five more than 2-Down

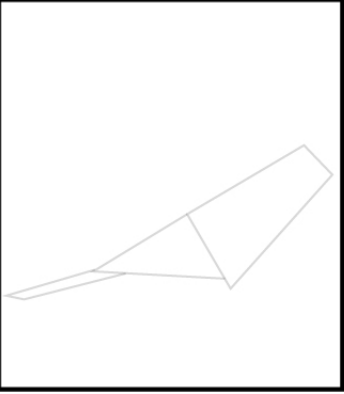
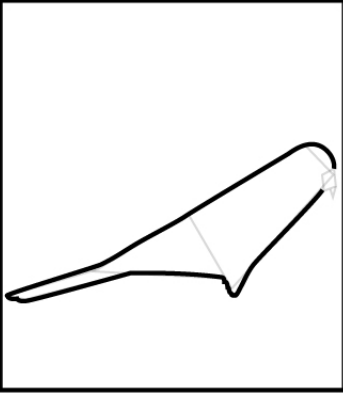
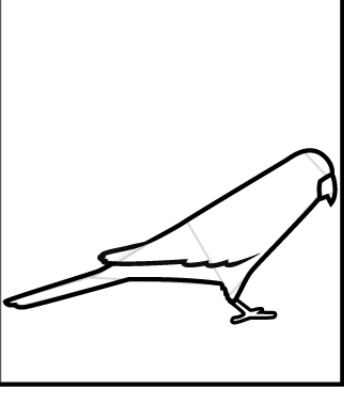
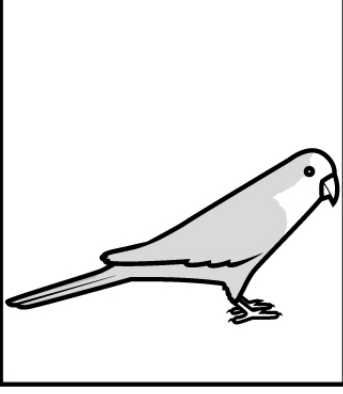


|   |   |
|---|---|
| If $\square = 4$ , then $\square + 4 =$ _____ | Circle the best estimate for the answer to:<br>$172 - 72$ |
|   | 150      100      210      140                            |

|   |   |   |
|---|---|---|
| Write the length in inches.<br><br>_____<br><br> | <input type="radio"/> yarn<br><br><input type="radio"/> yorn<br><br><input type="radio"/> yoorn<br><br><input type="radio"/> yurn | Fill in the missing fractions.<br><br>$\frac{1}{6}$ , $\frac{2}{6}$ , _____ , _____ |
|---|---|---|

|   |   |   |   |   |
|---|---|---|---|---|
| $\begin{array}{r} 29 \\ + 76 \\ \hline \end{array}$ | $\begin{array}{r} 69 \\ + 90 \\ \hline \end{array}$ | $\begin{array}{r} 90 \\ + 17 \\ \hline \end{array}$ | $\begin{array}{r} 91 \\ + 35 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ + 87 \\ \hline \end{array}$ |
|---|---|---|---|---|

|  |  |  |          |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
|--|--|--|----------|----------------------|----------|----------|----------|---------------|----------|------------|----------|-----|----------|------------------|----------|----------------|----------|------------|----------|------------------|----------|--|
| <b>WHERE DID THE TROUT KEEP ITS MONEY?</b>                                     |  | <input type="radio"/> firedd<br><br><input type="radio"/> firred<br><br><input type="radio"/> firid<br><br><input type="radio"/> fired |          |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
| _____<br>36    80    14      30    6    66    14    30    20    3    130    62 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; padding: 5px;">forty-two minus six</td> <td style="width: 10%; text-align: center; padding: 5px;"><b>T</b></td> <td style="width: 50%; padding: 5px;">_____, 140, 150, 160</td> <td style="width: 10%; text-align: center; padding: 5px;"><b>N</b></td> </tr> <tr> <td style="padding: 5px;">fourteen</td> <td style="text-align: center; padding: 5px;"><b>E</b></td> <td style="padding: 5px;">____ + 3 = 69</td> <td style="text-align: center; padding: 5px;"><b>V</b></td> </tr> <tr> <td style="padding: 5px;">86 minus 6</td> <td style="text-align: center; padding: 5px;"><b>H</b></td> <td style="padding: 5px;">six</td> <td style="text-align: center; padding: 5px;"><b>I</b></td> </tr> <tr> <td style="padding: 5px;">21, 24, 27, ____</td> <td style="text-align: center; padding: 5px;"><b>R</b></td> <td style="padding: 5px;">13 + ____ = 16</td> <td style="text-align: center; padding: 5px;"><b>A</b></td> </tr> <tr> <td style="padding: 5px;">71 minus 9</td> <td style="text-align: center; padding: 5px;"><b>K</b></td> <td style="padding: 5px;">____, 25, 30, 35</td> <td style="text-align: center; padding: 5px;"><b>B</b></td> </tr> </table> | forty-two minus six  | <b>T</b> | _____, 140, 150, 160 | <b>N</b> | fourteen | <b>E</b> | ____ + 3 = 69 | <b>V</b> | 86 minus 6 | <b>H</b> | six | <b>I</b> | 21, 24, 27, ____ | <b>R</b> | 13 + ____ = 16 | <b>A</b> | 71 minus 9 | <b>K</b> | ____, 25, 30, 35 | <b>B</b> |  |
| forty-two minus six  | <b>T</b>   | _____, 140, 150, 160   | <b>N</b> |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
| fourteen   | <b>E</b>   | ____ + 3 = 69  | <b>V</b> |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
| 86 minus 6   | <b>H</b>   | six  | <b>I</b> |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
| 21, 24, 27, ____   | <b>R</b>   | 13 + ____ = 16   | <b>A</b> |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |
| 71 minus 9   | <b>K</b>   | ____, 25, 30, 35   | <b>B</b> |                      |          |          |          |               |          |            |          |     |          |                  |          |                |          |            |          |                  |          |  |

|  |  |
|--|--|
|   |   |
|  |  |

Draw it.  
What can you add to your picture?

I added \_\_\_\_\_

What is the value of the BIG digit?

41,8**0**,114

\_\_\_\_\_

Fill in the missing fraction.

$\frac{4}{8}$  ,  $\frac{5}{8}$  , \_\_\_\_\_ ,  $\frac{7}{8}$

$$\begin{array}{r} 40 \\ - 15 \\ \hline \end{array}$$

Write a fraction to represent what is shaded.

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |

\_\_\_\_\_

|                    |                    |
|--------------------|--------------------|
| $9 \overline{)27}$ | $4 \overline{)24}$ |
| $3 \overline{)18}$ | $2 \overline{)16}$ |

**True, Not True, False, and Not False**

True True

Not True False

False False

Not False True

**With "AND" both need to be true.**

True and False False

True and True True

False and True False

False and False False

Not False \_\_\_\_\_

True \_\_\_\_\_

False \_\_\_\_\_

Not True \_\_\_\_\_

True and True \_\_\_\_\_

False and False \_\_\_\_\_

True and False \_\_\_\_\_

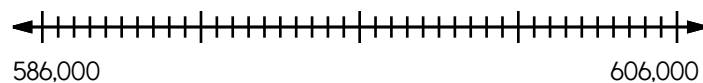
False and True \_\_\_\_\_

$$68 - 7 = \underline{\hspace{2cm}}$$

Write the number for seven thousand, eight hundred ninety.

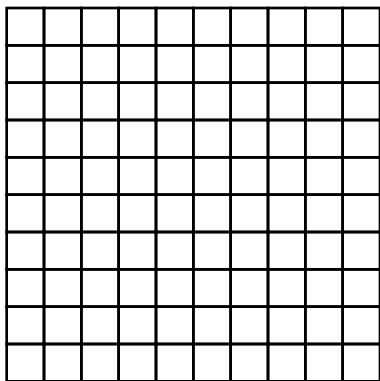
\_\_\_\_\_

Locate where to put the number 599,000 and label the point M.



$$\begin{array}{r} 76 \\ + 76 \\ \hline \end{array}$$

Color  $\frac{33}{100}$ .



Jack cut four pizzas into 8 pieces each. How many pieces of pizza did he have in all?

For this page calculate a dog's life as follows:

First year of dog's life is 15 human years.

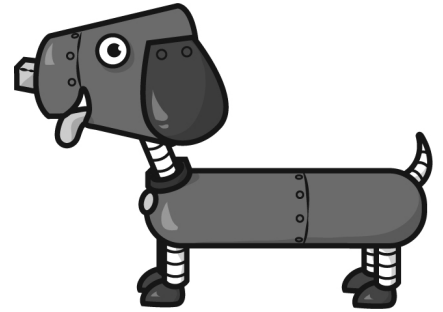
Second year of dog's life is 9 human years.

Every other year of dog's life is 5 human years.



How many times do you need to spin?

I needed to spin \_\_\_\_\_ time(s) to finish the page.



Spin fidget spinner. Quick! Do as many as you can before it stops.

|   |  |  |  |
|---|--|--|--|
| Dog's Age: <u>59</u><br>Human Years: <u>9</u> | Dog's Age: <u>29</u><br>Human Years: _____ | Dog's Age: <u>69</u><br>Human Years: _____ | Dog's Age: <u>44</u><br>Human Years: _____ |
| Dog's Age: _____<br>Human Years: <u>5</u>     | Dog's Age: _____<br>Human Years: <u>2</u>  | Dog's Age: _____<br>Human Years: <u>12</u> | Dog's Age: <u>34</u><br>Human Years: _____ |
| Dog's Age: <u>24</u><br>Human Years: _____    | Dog's Age: <u>54</u><br>Human Years: _____ | Dog's Age: <u>29</u><br>Human Years: _____ | Dog's Age: <u>49</u><br>Human Years: _____ |
| Dog's Age: _____<br>Human Years: <u>10</u>    | Dog's Age: _____<br>Human Years: <u>1</u>  | Dog's Age: <u>44</u><br>Human Years: _____ | Dog's Age: _____<br>Human Years: <u>11</u> |
| Dog's Age: _____<br>Human Years: <u>8</u>     | Dog's Age: _____<br>Human Years: <u>3</u>  | Dog's Age: _____<br>Human Years: <u>12</u> | Dog's Age: <u>39</u><br>Human Years: _____ |

You are a pronunciation detective.

Can you break each pronunciation and write the real word?

Good luck!



power • silhouette • elbow • brain • bow • ferry • compress • decorator  
guess • stave • ~~sable~~ • brief • saving • train • encampment • twirl

sābuhl sable \_\_\_\_\_

fEHrē \_\_\_\_\_

pouur \_\_\_\_\_

gEHs \_\_\_\_\_

trān \_\_\_\_\_

dEHkurātur \_\_\_\_\_

ihnkampmihnt \_\_\_\_\_

EHlbō \_\_\_\_\_

brēf \_\_\_\_\_

sāvihNG \_\_\_\_\_

stāv \_\_\_\_\_

twurl \_\_\_\_\_

bou \_\_\_\_\_

sihluhwEHt \_\_\_\_\_

kōmprEHs \_\_\_\_\_

brān \_\_\_\_\_

ō kōz → cause

oo choo → chew

ā kāk → cake

ē fēt → feet

ī īs → ice

ō bōt → boat

ū kūt → cute

Help! Can you figure out the real spelling of these words without the help of a word box? Good luck.

kuhtihnū continue \_\_\_\_\_

mawrnihNGz \_\_\_\_\_

bluhd \_\_\_\_\_

wawrm \_\_\_\_\_

shoot \_\_\_\_\_

stād \_\_\_\_\_

thēm \_\_\_\_\_

buhbuhl \_\_\_\_\_

The baseball season is going down to the wire. "You can say that again," says Justin.

The baseball season is going down to the wire. There are only two teams left that have a chance for the playoffs. Only the top team will advance to the playoffs.

The Big Bellies have 52 wins and 12 losses. They are awesome! "Says, who?" asks Justin. "Did you even look at their bellies?"

Close behind are the Oozy Hitters. They have 49 wins and 15 losses.

Both the Big Bellies and Oozy Hitters have 5 games left. And guess what? They are against each other!

As they head for this 5-game series, the Big Bellies are playing the Oozy Hitters at Big Bellies' field. So clearly, Big Bellies will have the home field advantage. The Oozies are hoping to win enough games to take first place!

"Yeah, they just have to win," interrupts Justin. "Uh. Uh. 3? I mean 4? Wait, 5?"

Obviously Justin is just guessing. What is the least number of wins the Oozies need in this 5-game series to be certain of finishing first?

Please don't guess for your answer, but you can guess as you are working through the problem!



Write operation.  
Write = sign.  
Circle.

$10 \times 6 = 60$

$11 \times 11 =$

$12 \times 7 =$

$12 \times 4 =$

$5 \times 5 =$

$2 \times 4 =$

$7 \times 3 =$

$3 \times 10 =$

$8 \times 2 =$

$3 \times 12 =$

$7 \times 5 =$

4 8 6 10 3 7 3 21 22 2 20 2 4 9 11 29  
 2 24 8 11 12 1 5 83 18 17 15 12 8 9 2 18  
 7 36 4 17 36 3 18 35 4 25 26 121 5 5 2 12  
 3 48 7 16 29 2 22 7 12 12 18 8 36 17 48 6  
 22 12 6 5 121 15 3 11 5 8 10 49 7 4 20 29  
 8 2 16 4 84 29 30 4 3 7 3 2 84 83 7 6  
 2 18 6 60 5 7 18 48 16 10 2 4 8 26 11 3  
 2 **10 x 6 = 60** 12 9 9 7 22 22 35 7 30 2 25 35  
 49 18 21 5 30 10 4 17 12 4 4 19 5 10 23 16  
 13 10 12 26 20 9 1 2 21 6 24 12 29 5 3 12  
 4 15 7 28 21 2 22 3 11 7 16 4 3 4 25 10  
 16 12 84 11 121 25 7 3 60 5 15 48 21 8 2 3  
 17 8 83 12 8 11 29 16 3 4 6 6 26 12 12 49  
 4 16 35 11 0 11 11 28 17 2 10 11 22 7 5 2

$9 \times 8 = 72$

$11 \times 12 =$

$7 \times 11 =$

$5 \times 9 =$

$3 \times 8 =$

$2 \times 6 =$

$10 \times 11 =$

$6 \times 6 =$

$6 \times 5 =$

$9 \times 6 =$

$3 \times 10 =$

6 19 12 16 5 77 36 45 17 13 9 20 110 10 45 3  
 13 1 3 31 13 11 1 1 3 3 2 1 7 12 14 45  
 6 6 11 15 76 72 4 11 8 8 10 11 36 6 6 13  
 14 23 110 10 4 9 24 25 13 24 31 6 8 2 6 19  
 54 31 11 8 22 5 27 6 6 2 6 14 6 1 15 24  
 11 110 5 3 7 12 10 6 6 72 132 4 6 9 27 25  
 10 1 132 8 16 11 1 77 16 24 4 31 4 6 6 13  
 30 8 5 9 45 11 16 132 11 55 11 54 9 8 9 54  
 55 **9 x 8 = 72** 5 20 6 12 11 11 6 6 19 19 12 54  
 3 11 1 7 5 25 11 11 11 23 9 11 5 19 25 3  
 2 11 7 131 6 5 30 76 36 3 10 30 1 12 3 36  
 9 2 11 22 5 18 30 131 7 10 25 1 5 5 30 77  
 9 21 76 19 14 14 77 11 7 31 11 23 14 8 30 72



**"Or" Questions:**

```
if (true or false)
  print ("We have one true so it is true.");
else:
  print ("Everything is false so it is false");
```

**The computer will print:**

```
We have one
true so it
is true.
```

```
A = false or true;
print (A);
```

```
t r u e
```

```
A = true or false;
print (A);
```

```
A = false or false;
print (A);
```

```
A = not (false);
print (A);
```

```
A = not (true or true);
print (A);
```

```
A = not (true or false);
print (A);
```

```
a="February";
```

```
if (a=="January") or (a=="February")
  print ("You are in group 1.");
```

```
if (a=="March") or (a=="April")
  print ("You are in group 2.");
```

```
_____
_____
```

P = "Brazil";

if (P=="Canada") or (P=="Mexico") or (P=="US")  
 print ("That is in North America.");

else:

print ("I am not sure where that is.");

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

print("Need a NOT");

\_\_\_\_\_

A = not (true or true or false);  
 print (A);

\_\_\_\_\_

A = not ( not( true ) );  
 print (A);

\_\_\_\_\_

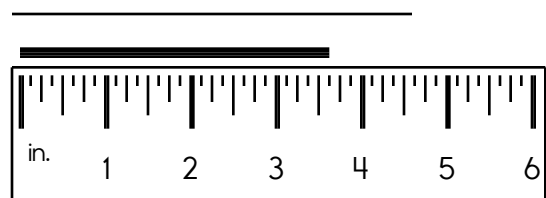
Fill in the blanks with  
 these numbers:  
**1, 4, 3**

$$\begin{array}{r}
 \square \quad 4 \\
 - \square \quad 3 \\
 \hline
 1 \quad \square
 \end{array}$$

Fill in the blanks with  
 these numbers:  
**4, 9, 3**

$$\begin{array}{r}
 \square \quad 1 \\
 + \square \quad 8 \\
 \hline
 7 \quad \square
 \end{array}$$

Write the length in inches.



Add the correct end punctuation for  
 this sentence.

How many cartwheels can you do

61 + 1 = \_\_\_\_\_

If  $\square = 7$ , then  $\square + 7 =$  \_\_\_\_\_



How many times  
do you need to spin?

I needed to spin \_\_\_\_\_  
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

$$7 - (2 + 1) + 1 - 4 = \underline{\quad}$$

$$6 - 1 + 3 - 6 = \underline{\quad}$$

$$2 + 4 + 4 - 9 + 8 = \underline{\quad}$$

$$7 - 3 - 4 + 8 - 4 = \underline{\quad}$$

$$7 - 2 - 5 + 1 + 4 = \underline{\quad}$$

$$(4 + 5 + 2) + 7 + 8 = \underline{\quad}$$

$$2 + 2 + 8 + 9 - 9 = \underline{\quad}$$

$$4 - 1 + 2 - 2 = \underline{\quad}$$

$$5 + 3 - 7 + 4 + 5 = \underline{\quad}$$

$$4 - 2 + 6 + (9 + 4) = \underline{\quad}$$

$$5 + (1 - 1) + 2 = \underline{\quad}$$

$$4 - 4 + 8 + 7 = \underline{\quad}$$

$$7 - 2 + 3 + 5 = \underline{\quad}$$

$$4 - 1 + 6 + 7 = \underline{\quad}$$

$$4 + 8 - 1 + 3 - 8 = \underline{\quad}$$

$$3 + 2 + 2 + 7 = \underline{\quad}$$

$$(7 + 5) + 4 - 4 + 5 = \underline{\quad}$$

$$3 - 3 + 8 + 3 = \underline{\quad}$$

$$1 + 3 + 4 + 9 - 9 = \underline{\quad}$$

$$5 - 1 + (6 + 7) + 2 = \underline{\quad}$$