

Timed Extended Construction Response (ECR) Task—Grade 7      December RPCS

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

Date: \_\_\_\_\_

A family purchased tickets to a museum and spent a total of \$38.00. The family purchased 4 tickets. There was a \$1.50 processing fee for each ticket. Write and solve an equation that can be used to find  $x$ , the cost of one ticket to the museum. Show your work or explain your answer.

Enter your equation, your answer, and your work or explanation in the space provided.



## ANSWER KEY

Rubric	
Score	Description
<b>3</b>	<p>Student response includes the following 3 elements.</p> <ul style="list-style-type: none"> <li>• Modeling component = 1 point                             <ul style="list-style-type: none"> <li>○ The student writes a correct equation.</li> </ul> </li> <li>• Computation component = 1 point                             <ul style="list-style-type: none"> <li>○ The student provides the correct price of one museum ticket, \$8.</li> </ul> </li> <li>• Modeling component = 1 point                             <ul style="list-style-type: none"> <li>○ The student provides a valid explanation or work.</li> </ul> </li> </ul> <p>Sample Student Response:  <math>4(x + 1.50) = 38</math> or equivalent  <math>4x + 6 = 38</math>  <math>4x = 32</math>  <math>x = 8</math></p> <p>The cost of one ticket is \$8.</p>
<b>2</b>	Student response includes 2 of the above elements.
<b>1</b>	Student response includes 1 of the above elements.
<b>0</b>	Student response is incorrect or irrelevant.

Glow	Grow