3 Tom used 5 metal objects labeled A, B, C, D, and E in an experiment. He used a balance scale to measure the weight of object A. Then he added object B to the scale and recorded the combined weight of both objects. He continued to add one object at a time and record the weight until all the objects were on the scale and their combined weight was measured. He made the table below to show his results.

Combined Weights

Object(s)	Weight (in grams)
A	14.6
A, B	21.5
A, B, C	32.0
A, B, C, D	41.2
A, B, C, D, E	52.8

On the lines below, explain how to find the weight of object C.

_____

_____

_____

Which of the objects is the heaviest?

Show All Work

Answer _____

Go On

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5 Peter has a coupon for $\frac{1}{4}$ off the cost of a book. The book is regularly priced at \$5. How much will the book cost, before tax, if Peter uses his coupon?

Show All Work

Answer \$ _____

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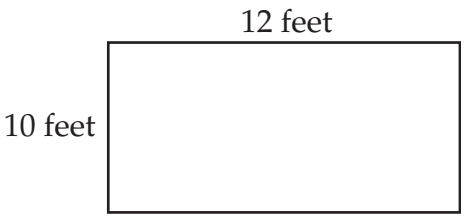
4 Ms. Wilson's sixth-grade class is using hand-painted ceramic tiles to make a mural on the wall shown below.

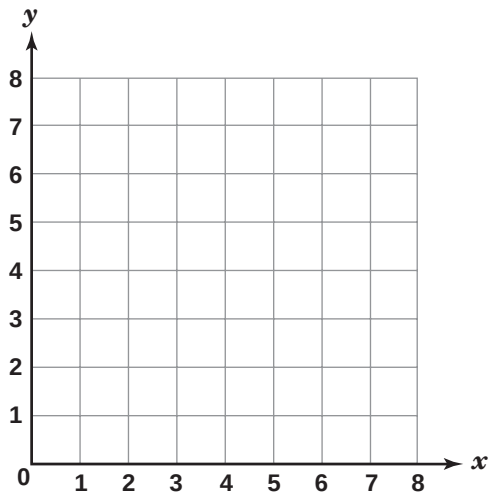


Each tile costs $5 and is a square that is 1 foot on each side. The class will need 2 bags of mortar to attach all of the tiles. The mortar costs $10 per bag. What is the total cost to complete the mural?

Area of rectangle = length × width

_____

6 On the grid below, plot the points (2, 1), (2, 5), and (5, 1), then connect the points to form a triangle.



On the line below, identify the type of triangle you drew.

Answer _____

On the lines below, explain why you identified the triangle in this way.

_____

_____

_____

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