

NAME Answer key

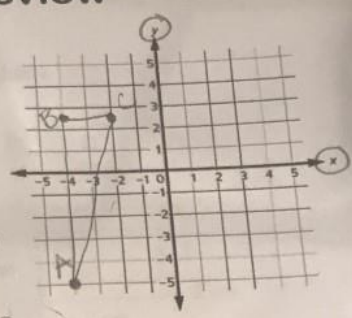
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### Chapter 5 Test Review

1. Plot and label points A, B, and C on the coordinate grid. Connect the points to make a triangle.

A: (-4, -5) B: (-4, 2.5) C: (-2, 2.5)



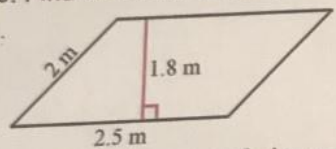
Write a number sentence to calculate the length of each line segment.

Length of AB  $| -5 | + | 2.5 | = 8.5$  units

Length of BC  $| -4 | - | -2 | = 2$  units

2. Find the area of the triangle  $(b \times h \times \frac{1}{2})$   $2 \times 8.5 \times \frac{1}{2} = 8.5$  units<sup>2</sup>

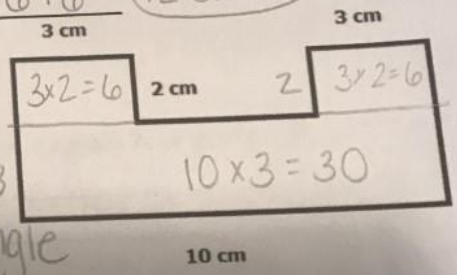
3. Find the area of the parallelogram.



$(b \times h)$   $2.5 \times 1.8 = 4.5$  m<sup>2</sup>

$$\begin{array}{r} 2.5 \\ \times 1.8 \\ \hline 200 \\ + 250 \\ \hline 450 \end{array}$$

4. Find the area of the complex shape shown.  $30 + 6 + 6 = 42$  cm<sup>2</sup>



Show and explain how you got the area. I broke the figure up into 3 rectangles. 3  
I found the area of each rectangle and then added them up.

5. Circle the units that would be used to find area  
ex. units<sup>2</sup>

6. Underline units that would be used to find perimeter  
ex. units

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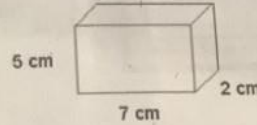
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7. Put 2 underlines under the units that would be used to find surface area

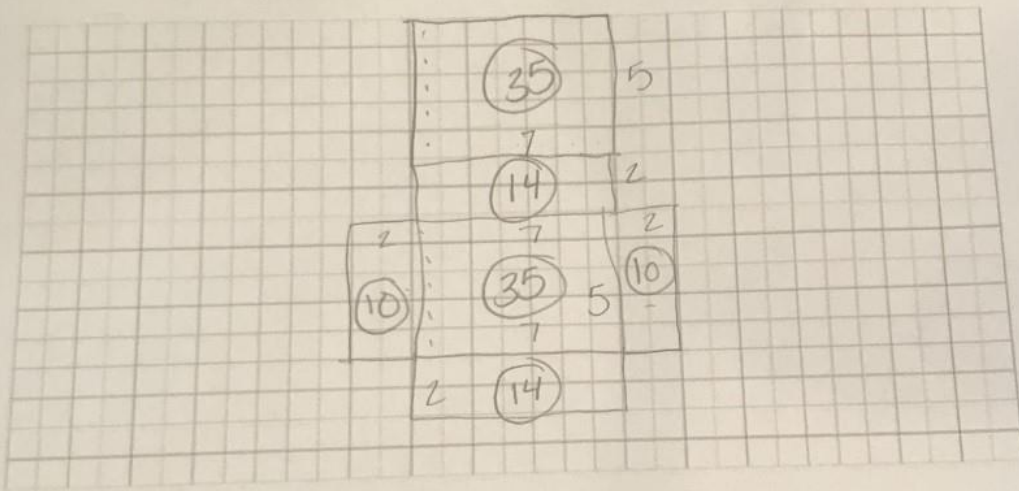
8. Put a box around the units that would be used for volume

in. in.<sup>2</sup> in.<sup>3</sup> cm cm<sup>2</sup> cm<sup>3</sup> ft ft<sup>2</sup> ft<sup>3</sup>

9. Draw a net for the rectangular prism shown:



(each block below represents 1 square cm)



10. If you were to shade all of the faces in the net above, explain how you could find the total surface area. I would find the area of each face and then add each faces area up.

11. What is the surface area of the rectangular prism above?

138 units<sup>2</sup>

$$\begin{array}{r} 35 \\ +35 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 14 \\ +14 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 90 \\ +28 \\ +20 \\ \hline 138 \end{array}$$

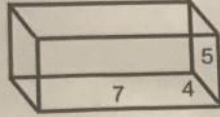
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12. In cubic inches, how much water would the rectangular prism below hold?

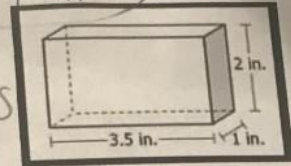
140 in<sup>3</sup>



$$7 \times 4 \times 5$$
$$28 \times 5 = 140$$

13. What is the volume of this prism?

3.5 x 1 x 2 = 7 in<sup>3</sup>



14. How many  $\frac{1}{2}$  in cubes would fit in the prism? 28 cubes

2  $\frac{1}{2}$  cubes = 1 cube

$$3.5 \times 2 = 7$$

$$1 \times 2 = 2$$

$$2 \times 2 = 2$$

$$7 \times 2 \times 2$$
$$14 \times 2 = 28 \text{ in}$$