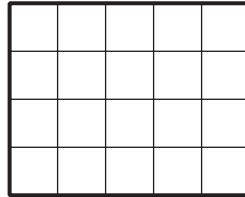


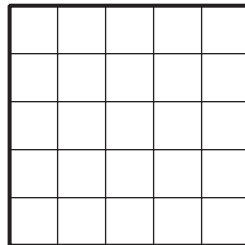
# Area and Multiplication: End-of-Unit Assessment

1. Select **all** rectangles that have an area of 20 square units.

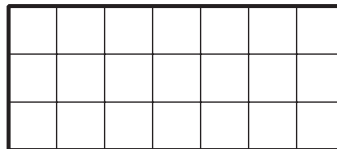
A.



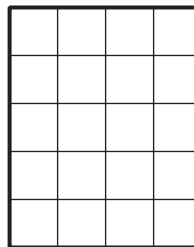
B.



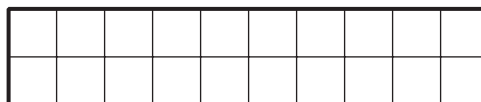
C.



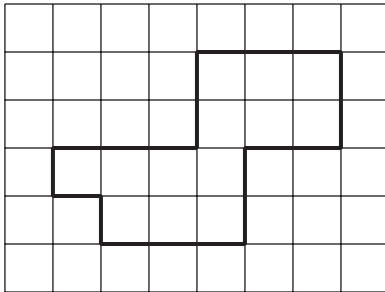
D.



E.



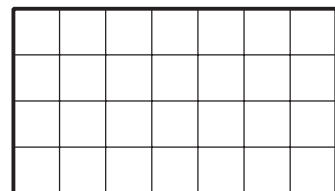
2. What is the area of this figure in square units? Explain or show your reasoning.



3. A rectangle has an area of 12 square inches. What could be the length and width of the rectangle? Select **all** that apply.

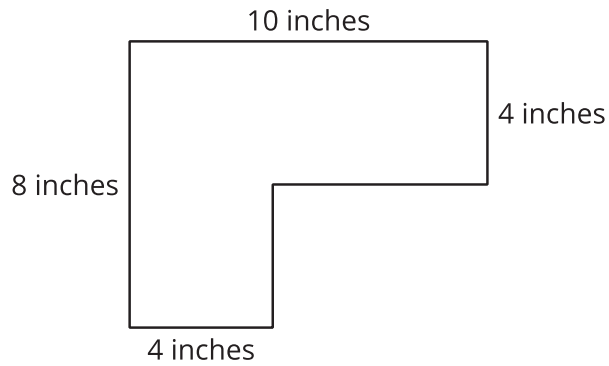
- A. 2 inches and 6 inches
- B. 5 inches and 7 inches
- C. 3 inches and 4 inches
- D. 2 inches and 4 inches
- E. 1 inch and 12 inches

4. a. Explain or show how the expression  $4 \times 7$  represents the area of this rectangle in square units.



b. Explain or show how the expression  $4 \times 5 + 4 \times 2$  also represents the area of the rectangle.

5. Find the area of the figure. Explain or show your reasoning.



6. Find the value of each expression.

a.  $4 \times 7$

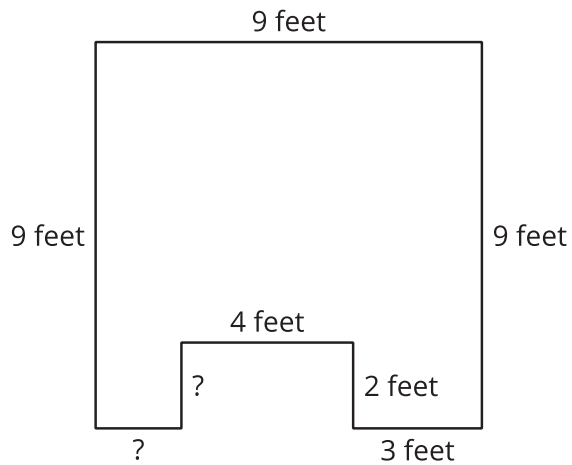
b.  $3 \times 9$

c.  $6 \times 4$

d.  $5 \times 8$

7. Lin is putting carpet squares in her bedroom. Each carpet square is 1 foot by 1 foot.

a. What are the lengths of the two missing sides? Explain or show your reasoning.



b. How many carpet squares does Lin need to cover the floor? Explain or show your reasoning.