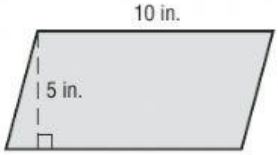
TAHNOON BIN MOHAMMED (2020-2021)

MATH QUIZ (GRADE 6) - TERM 3

CHAPTER 9 - AREA

Write the letter for the correct answer in the blank at the right of each question.

1. An artist is using tiles in the shape of a parallelogram to make a mosaic. The tiles have the dimensions shown. What is the area of one tile?



A. 2 in^2 **C.** 25 in^2

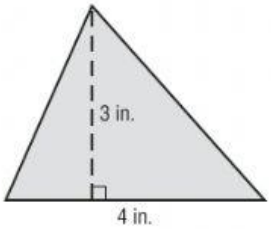
B. 15 in^2 **D.** 50 in^2 **1.** _____

2. What is the height of a parallelogram with base 7 meters and an area of 84 square meters?

F. 7 m **H.** 294 m

G. 12 m **I.** 588 m **2.** _____

3. What is the area of the triangle?



A. 24 in^2

B. 12 in^2

C. 6 in^2

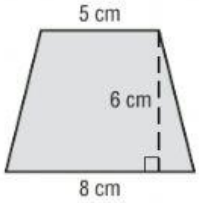
D. 3.5 in^2 **3.** _____

4. A triangle is cut from a piece of fabric. The triangle has a height of 8 inches and an area of 120 square inches. What is the length of the base of the triangle?

F. 960 in. **H.** 30 in.

G. 480 in. **I.** 15 in. **4.** _____

5. An eraser has the dimensions shown at the right. What is the area of the eraser?



A. 19 cm^2

B. 39 cm^2

C. 78 cm^2

D. 120 cm^2 **5.** _____

6. Which of the following is *not* a characteristic of the figure with vertices at coordinates $A(1, 1)$, $B(1, 2)$, $C(2, 2)$, and $D(2, 1)$?

F. four right angles

G. four vertices

H. two sets of parallel lines

I. two acute angles **6.** _____

LIVEWORKSHEETS

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CHAPTER 9 - AREA

7. The regular hexagon shown is enlarged so that its sides are 5 times as large. What affect does this have on the perimeter?

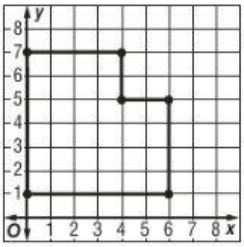
A. The perimeter is 2.5 times greater.

B. The perimeter is 5 times greater.

C. The perimeter is the same.

D. The perimeter is 10 times greater. **7.** _____

8. The blueprints for a new garden are shown. Each grid square on the blueprint has a length of 10 feet. What is the total distance, in feet, around the garden?



F. 22 feet **H.** 220 feet

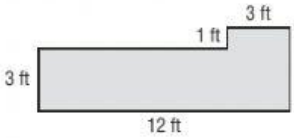
G. 24 feet **I.** 240 feet **8.** _____

9. A rectangle has vertices $A(1, 2)$, $B(1, 7)$, $C(4, 7)$, and $D(4, 2)$. What is the perimeter of the rectangle?

A. 3 units **C.** 15 units

B. 5 units **D.** 16 units **9.** _____

10. What is the area of the figure shown below?



F. 39 ft^2 **H.** 50 ft^2

G. 41 ft^2 **I.** 60 ft^2 **10.** _____

11. Two acute triangles have perimeters of 20 meters and 100 meters respectively. How many times greater is the perimeter of the larger triangle?

A. 8 times **C.** 5 times

B. 6 times **D.** 4 times **11.** _____

LIVEWORKSHEETS