

TAHNOON BIN MOHAMMED (2020-2021)

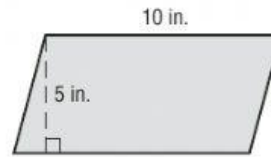
MATH QUIZ (GRADE 6) - TERM 3

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. _____

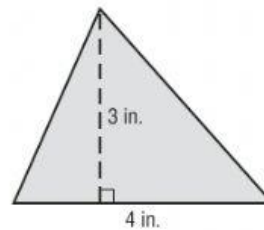
2. What is the height of a parallelogram with base 7 meters and an area of 84 square meters?

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. _____

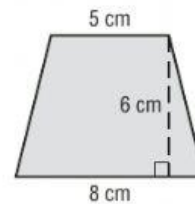
4. A triangle is cut from a piece of fabric. The triangle has a height of 8 inches and an area of 120 square inches. What is the length of the base of the triangle?

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

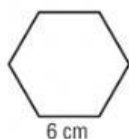
6. _____

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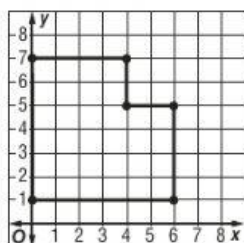
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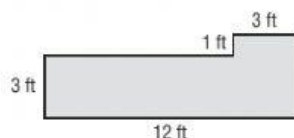
7. The regular hexagon shown is enlarged so that its sides are 5 times as large. What affect does this have on the perimeter?



- 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.
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
G. 24 feet
H. 220 feet
I. 240 feet
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
B. 5 units
C. 15 units
D. 16 units
10. What is the area of the figure shown below?



- F. 39 ft^2
G. 41 ft^2
H. 50 ft^2
I. 60 ft^2
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
B. 6 times
C. 5 times
D. 4 times

7. _____

8. _____

9. _____

10. _____

11. _____