

**Math 7 - Perimeter and Area of Triangles and Quadrilaterals  
Answer Section****SHORT ANSWER**

1. 44 in.
2. 52 ft
3. 94 m
4.  $136 \text{ m}^2$
5.  $200 \text{ ft}^2$
6. 28 square units
7. 40 square units
8.  $180 \text{ m}^2$
9. 53 m
10. 45 in.
11. 38 m
12. 104 m
13.  $21 \text{ in.}^2$
14.  $58.5 \text{ in.}^2$
15. 49.5 square units
16. 49.5 square units
17.  $97.5 \text{ in.}^2$
18.  $133 \text{ m}^2$
19. 59 yd
20.  ~~$212.33 \text{ yd}^2$~~   
 $1,911 \text{ ft}^2$

Name: KEY

Class: \_\_\_\_\_

Date: \_\_\_\_\_

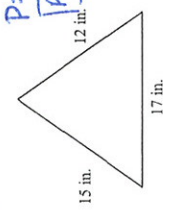
Name: \_\_\_\_\_

ID: A

### Math 7 - Perimeter and Area of Triangles and Quadrilaterals

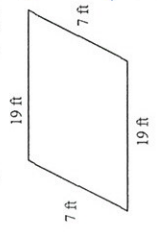
#### Short Answer

1. Find the perimeter of the polygon.



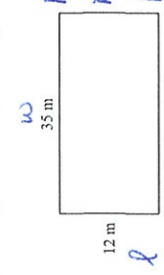
$P = 15 + 12 + 17$   
 $P = 44 \text{ in.}$

2. Find the perimeter of the polygon.



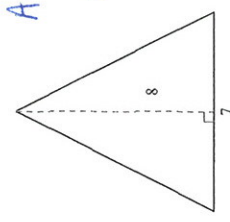
$P = 2(7) + 2(19)$   
 $P = 14 + 38$   
 $P = 52 \text{ ft.}$

3. Find the perimeter of the rectangle.



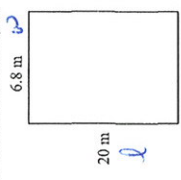
$P = 2l + 2w$   
 $P = 2(12) + 2(35)$   
 $P = 24 + 70$   
 $P = 94 \text{ m.}$

6. Find the area of the triangle.



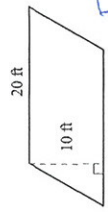
$A = \frac{bh}{2}$   
 $A = \frac{8 \cdot 7}{2}$   
 $A = 28 \text{ units}^2$

4. Find the area of the rectangle.



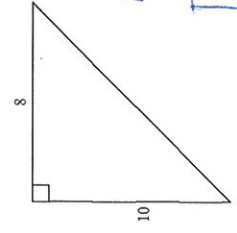
$A = lw$   
 $A = 20(6.8)$   
 $A = 136 \text{ m}^2$

5. Find the area of the parallelogram.



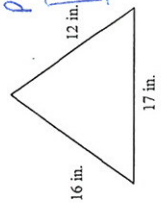
$A = bh$   
 $A = (20)(10)$   
 $A = 200 \text{ ft}^2$

7. Find the area of the triangle.



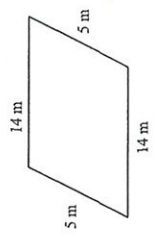
$A = \frac{bh}{2}$   
 $A = \frac{8(10)}{2}$   
 $A = 40 \text{ units}^2$

10. Find the perimeter of the polygon.



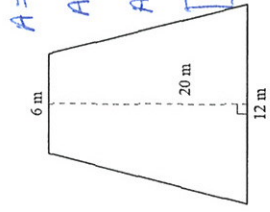
$P = 16 + 12 + 17$   
 $P = 45 \text{ in.}$

11. Find the perimeter of the polygon.



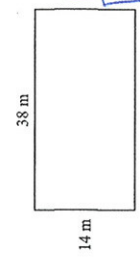
$P = 2(5) + 2(14)$   
 $P = 10 + 28$   
 $P = 38 \text{ m.}$

8. Find the area of the trapezoid.



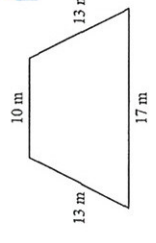
$A = \frac{(b_1 + b_2)h}{2}$   
 $A = \frac{(6 + 12)(20)}{2}$   
 $A = \frac{18(20)}{2}$   
 $A = 180 \text{ m}^2$

12. Find the perimeter of the rectangle.



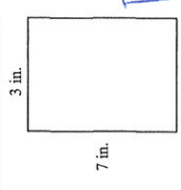
$P = 2(14) + 2(38)$   
 $P = 28 + 76$   
 $P = 104 \text{ m.}$

9. Find the perimeter of the polygon.



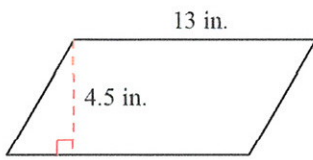
$P = 10 + 13 + 13 + 17$   
 $P = 23 + 30$   
 $P = 53 \text{ m.}$

13. Find the area of the rectangle.



$A = lw$   
 $A = 7(3)$   
 $A = 21 \text{ in}^2$

14. Find the area of the parallelogram.

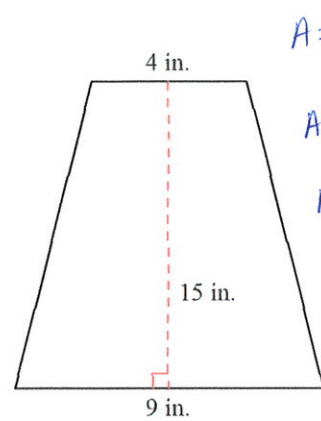


$$A = bh$$

$$A = (13)(4.5)$$

$$A = 58.5 \text{ in}^2$$

17. Find the area of the trapezoid.



$$A = \frac{(b_1 + b_2)h}{2}$$

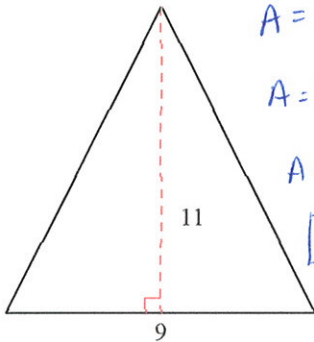
$$A = \frac{(4 + 9)(15)}{2}$$

$$A = \frac{(13)(15)}{2}$$

$$A = \frac{195}{2}$$

$$A = 97.5 \text{ in}^2$$

15. Find the area of the triangle.



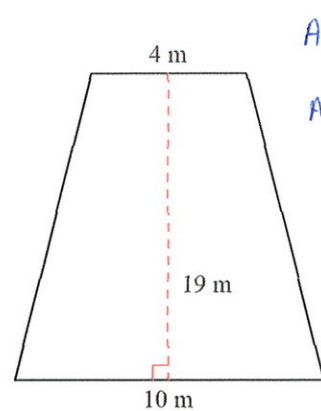
$$A = \frac{bh}{2}$$

$$A = \frac{(9)(11)}{2}$$

$$A = \frac{99}{2}$$

$$A = 49.5 \text{ units}^2$$

18. Find the area of the trapezoid.



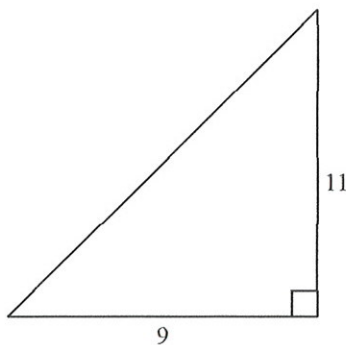
$$A = \frac{(b_1 + b_2)h}{2}$$

$$A = \frac{(4 + 10)19}{2}$$

$$A = \frac{(14)(19)}{2}$$

$$A = 133 \text{ m}^2$$

16. Find the area of the triangle.



$$A = \frac{bh}{2}$$

$$A = \frac{(9)(11)}{2}$$

$$A = \frac{99}{2}$$

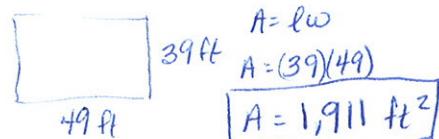
$$A = 49.5 \text{ units}^2$$

19. Carlos is planning on building a fence around his yard. The fence will be in the shape of a four-sided polygon. If the lengths of the four sides of the fence are 20 yards, 19 yards, 4 yards, and 16 yards, what is the perimeter of the yard enclosed by the fence?

$$P = 20 + 19 + 4 + 16$$

$$P = 59 \text{ yd}$$

20. Jamie was helping his dad fence in the yard around their house. The dimensions of the yard is 49 feet by 39 feet. How many square yards does the fencing cover? Round to the nearest hundredth.



$$A = lw$$

$$A = (39)(49)$$

$$A = 1,911 \text{ ft}^2$$