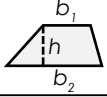


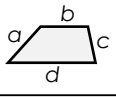
Name: \_\_\_\_\_

# Area and Perimeter of a Trapezoid

**Area formula:**  $A = \frac{1}{2} \times (b_1 + b_2) \times h$

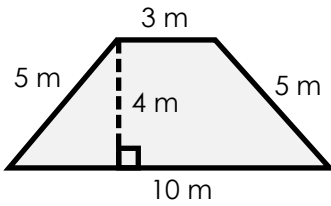


**Perimeter formula:**  $P = a + b + c + d$



Find the area and perimeter of each trapezoid.

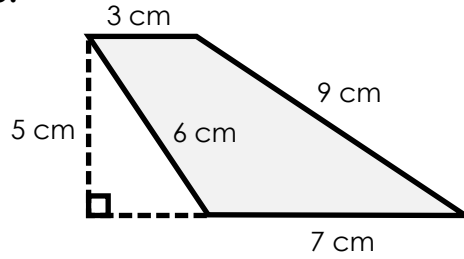
a.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

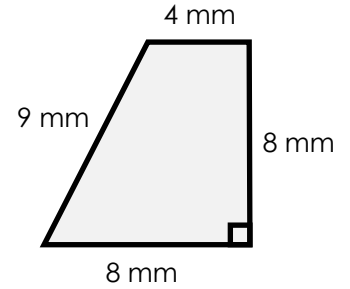
b.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

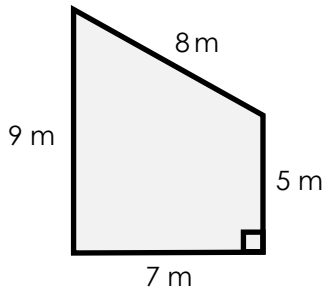
c.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

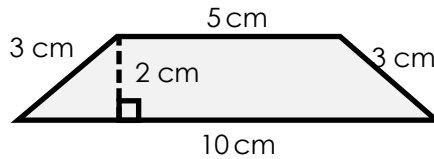
d.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

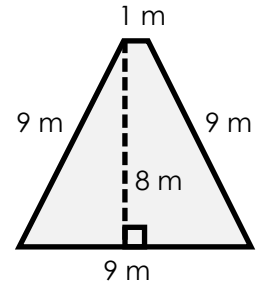
e.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

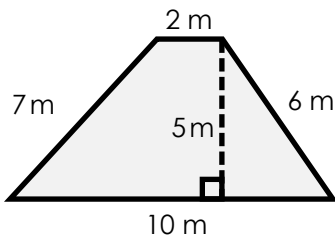
f.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

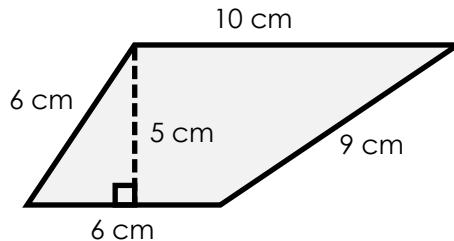
g.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

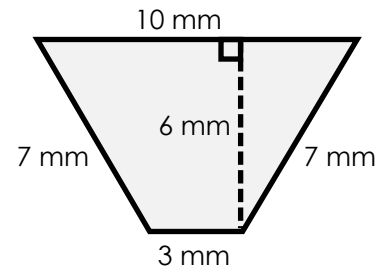
h.



area = \_\_\_\_\_

perimeter = \_\_\_\_\_

i.



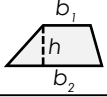
area = \_\_\_\_\_

perimeter = \_\_\_\_\_

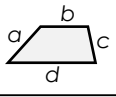
# ANSWER KEY

## Area and Perimeter of a Trapezoid

**Area formula:**  $A = \frac{1}{2} \times (b_1 + b_2) \times h$

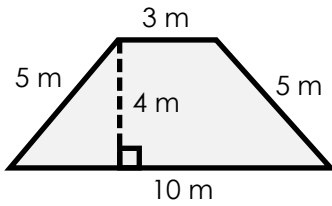


**Perimeter formula:**  $P = a + b + c + d$



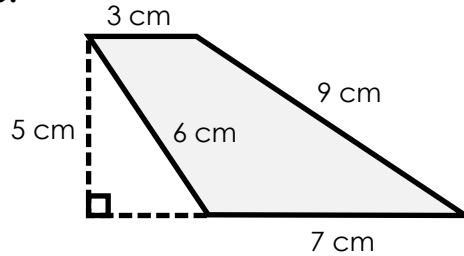
Find the area and perimeter of each trapezoid.

a.



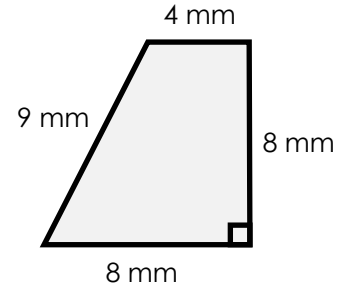
area = 26 m<sup>2</sup>  
 perimeter = 23 m

b.



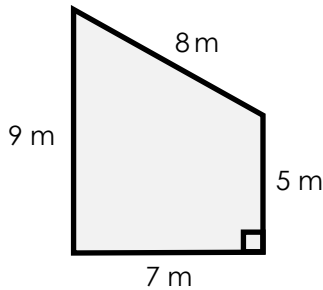
area = 25 cm<sup>2</sup>  
 perimeter = 25 cm

c.



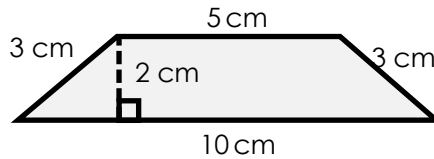
area = 48 mm<sup>2</sup>  
 perimeter = 29 mm

d.



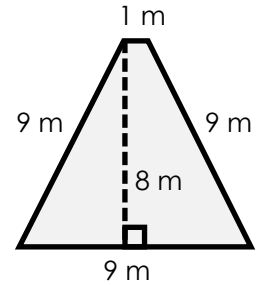
area = 49 m<sup>2</sup>  
 perimeter = 29 m

e.



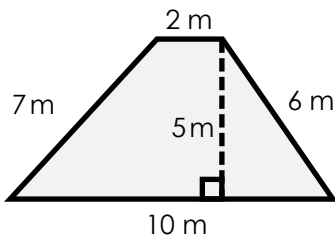
area = 15 cm<sup>2</sup>  
 perimeter = 21 cm

f.



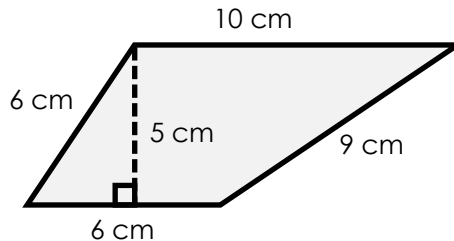
area = 40 m<sup>2</sup>  
 perimeter = 28 m

g.



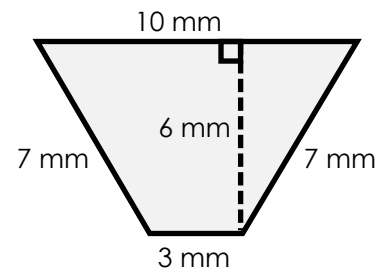
area = 30 m<sup>2</sup>  
 perimeter = 25 m

h.



area = 40 cm<sup>2</sup>  
 perimeter = 31 cm

i.



area = 39 mm<sup>2</sup>  
 perimeter = 27 mm