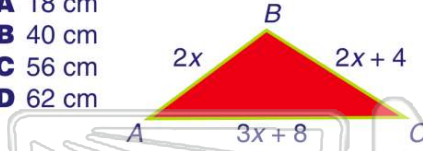




Name _____ Class _____ Date _____

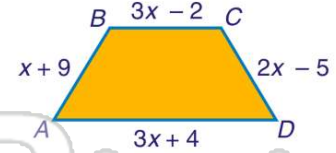
1 If the perimeter of the triangle shown is **124 cm**, what is **side AC**?

- A 18 cm
- B 40 cm
- C 56 cm
- D 62 cm



2 If the perimeter of the trapezoid shown is **141 cm**, what is **side CD**?

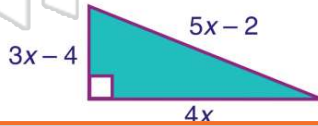
- A 15 cm
- B 24 cm
- C 25 cm
- D 43 cm



3 What is the **area** of the triangle shown if **$x = 3$ in.**?

$$A = \left(\frac{1}{2}\right)bh$$

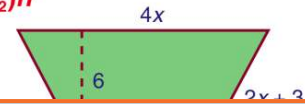
- A 8 in.²
- B 12 in.²



4 What is the **area** of the trapezoid shown in terms of **x** ?

$$A = \left(\frac{1}{2}\right)(b_1 + b_2)h$$

- A $6x^2 + 9x$
- B $5x^2 + 6$



5 If you want to learn more about math, click on the icons below.

A row of ten diverse children is shown below the icons, standing on a green patch of grass.

PREVIEW

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7 If the perimeter of the right triangle shown is **400 cm**, what is the length of the hypotenuse?

- A 20 cm
- B 28 cm
- C 28 cm
- D 400 cm



8 If the perimeter of the right triangle shown is **100 cm**, what is the length of the hypotenuse?

- A 8.6 cm
- B 8.4 cm
- C 7.9 cm
- D 4.9 cm

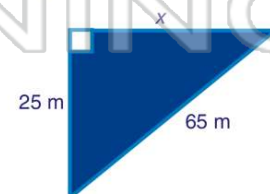


9 If the hypotenuse of an **isosceles right triangle** is **14 in.**, how long are the legs to the nearest tenth?

- A 1.9 in.
- B 3.7 in.
- C 9.9 in.
- D 19.9 in.

10 What is the length of the **missing leg** of the right triangle shown?

- A 70 m
- B 60 m
- C 9 m
- D 6 m

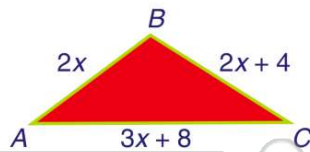




ANSWER KEY

If the perimeter of the triangle shown is **124 cm**, what is **side AC**?

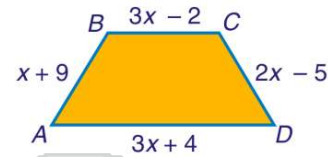
- A 18 cm
- B 40 cm
- C 56 cm
- D 62 cm



(C)

If the perimeter of the trapezoid shown is **141 cm**, what is **side CD**?

- A 15 cm
- B 24 cm
- C 25 cm
- D 43 cm



(C)

What is the **area** of the triangle shown if $x = 3$ in.?

$$A = \left(\frac{1}{2}\right)bh$$

- A 8 in.²
- B 12 in.²
- C 30 in.²
- D

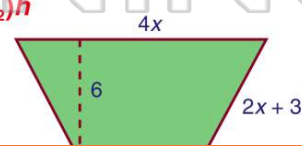


(C)

What is the **area** of the trapezoid shown in terms of x ?

$$A = \left(\frac{1}{2}\right)(b_1 + b_2)h$$

- A $6x^2 + 9x$
- B $5x^2 + 6$
- C 24x
- D



(d)



PREVIEW

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If the hypotenuse of an **isosceles right triangle** is **14 in.**, how long are the legs to the nearest tenth?

- A 1.9 in.
- B 3.7 in.
- C 9.9 in.
- D 19.9 in.

(C)

What is the length of the **missing leg** of the right triangle shown?

- A 70 m
- B 60 m
- C 9 m
- D 6 m

(b)

