

Mathematics

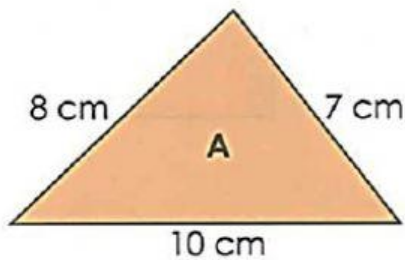
Area and Perimeter

Thursday

Press play

Find the perimeter of each figure.

a)

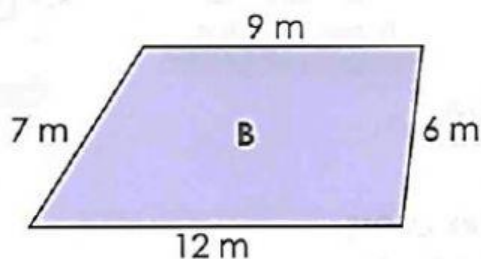


The perimeter of a figure is the distance around it.



$$\begin{aligned}\text{Perimeter of Figure A} &= 8 + 7 + 10 \\ &= 25 \text{ cm}\end{aligned}$$

b)



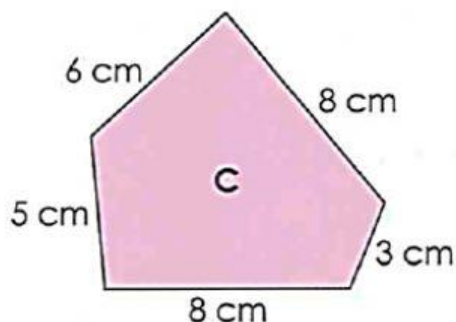
Perimeter of Figure B

$$\begin{aligned}&= \square + \square + \square + \square \\ &= \square \text{ m}\end{aligned}$$

DO

Find the perimeter of each figure.

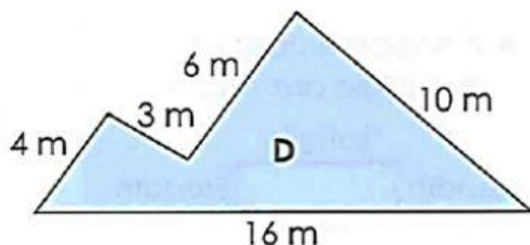
a)



Perimeter

$$\begin{aligned}&= _ + _ + _ + _ + _ \\ &= _ \text{ cm}\end{aligned}$$

b)



Perimeter

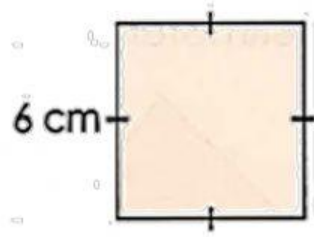
$$\begin{aligned}&= _ + _ + _ + _ + _ \\ &= _ \text{ m}\end{aligned}$$

Press play

Each side of the square is 6 centimeters.
Find its perimeter.

Method 1

$$\begin{aligned}\text{Perimeter of square} &= 6 + 6 + 6 + 6 \\ &= \boxed{24} \text{ cm}\end{aligned}$$



Method 2

$$\begin{aligned}\text{Perimeter of square} &= 4 \times \text{Length of side} \\ &= 4 \times \boxed{6} \\ &= \boxed{24} \text{ cm}\end{aligned}$$

A square has
4 equal sides.



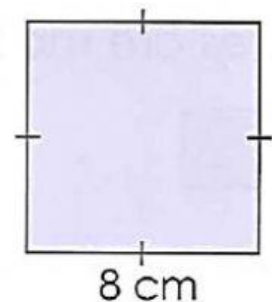
$$\text{Perimeter of square} = 4 \times \text{Length of side}$$

DO

Each side of a square is 8 centimeters.
Find its perimeter.

Method 1

$$\begin{aligned}\text{Perimeter} &= \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \text{ cm}\end{aligned}$$

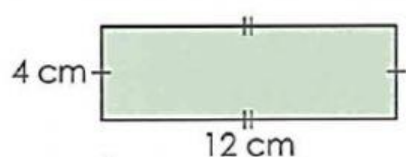


Method 2

$$\begin{aligned}\text{Perimeter} &= \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} \text{ cm}\end{aligned}$$

The length of the rectangle is 12 centimeters.
Its breadth is 4 centimeters. Find its perimeter.

Press play



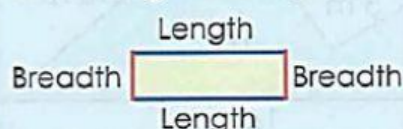
Method 1

Perimeter of rectangle
 $= \text{Length} + \text{Breadth} + \text{Length} + \text{Breadth}$
 $= 12 + 4 + 12 + 4$
 $= \square \text{ cm}$

Method 2

Perimeter of rectangle
 $= 2 \times \text{Length} + 2 \times \text{Breadth}$
 $= 2 \times 12 + 2 \times 4$
 $= 24 + 8$
 $= \square \text{ cm}$

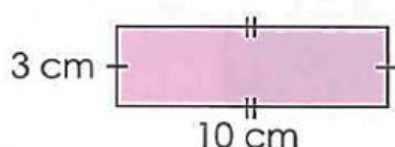
The opposite sides of
a rectangle are equal.



Perimeter of rectangle = $2 \times \text{Length} + 2 \times \text{Breadth}$

DO

The length of a rectangle is 10 centimeters.
Its breadth is 3 centimeters. Find its perimeter.



Method 1

Perimeter = $\square + \square + \square + \square$
 $= \square \text{ cm}$

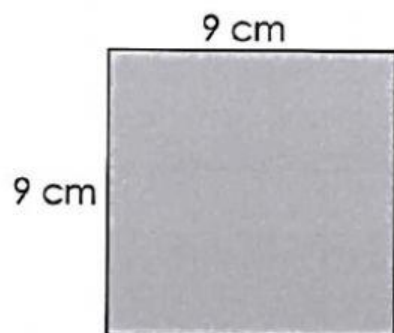
Method 2

Perimeter = $2 \times \square + 2 \times \square$
 $= \square + \square$
 $= \square \text{ cm}$



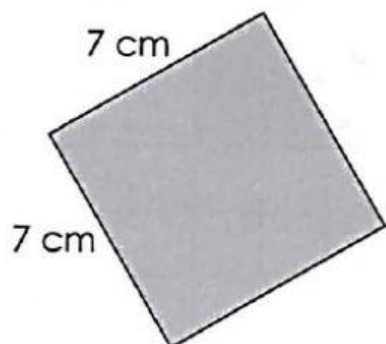
Find the perimeter of each square or rectangle.

a)



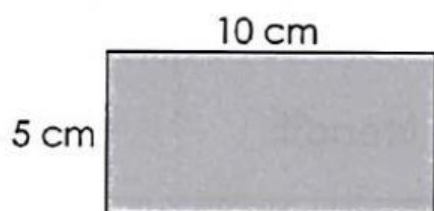
Perimeter = _____ cm

b)



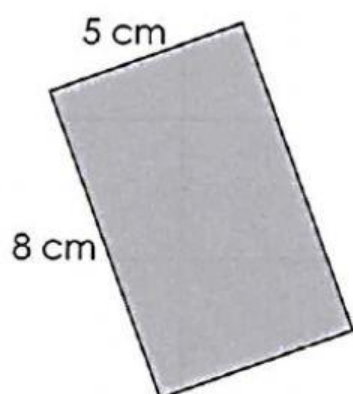
Perimeter = _____ cm

c)



Perimeter = _____ cm

d)



Perimeter = _____ cm