

Algebra 1 9/22

Warm Up IXL
5th Grade
0.7

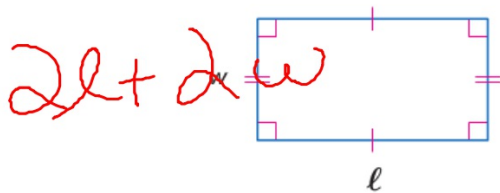
0-7 Perimeter

I can find the perimeter of two dimensional figures

Perimeter

the distance around a figure.

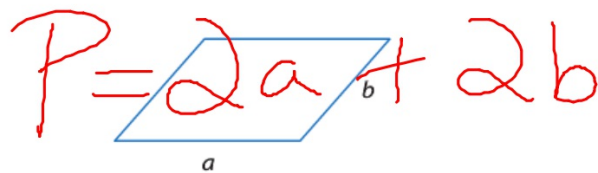
Rectangle



$P = 2(\ell + w)$ or
 ~~$P = 2\ell + 2w$~~

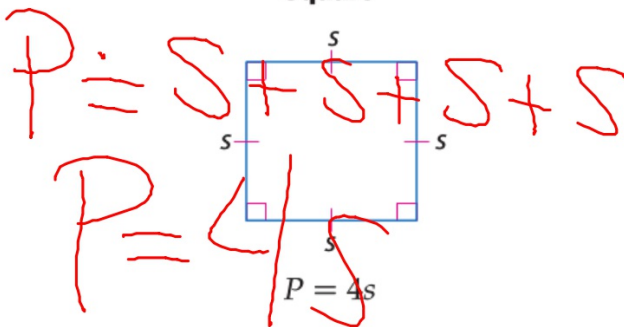
P23

Parallelogram

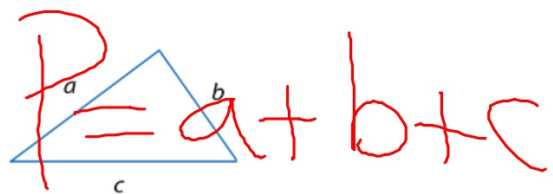


$P = 2(a + b)$ or
 $P = 2a + 2b$

Square



Triangle

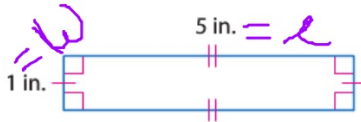


$P = a + b + c$

I can find the perimeter of two dimensional figures

Ex. 1 Find the perimeter of each figure.

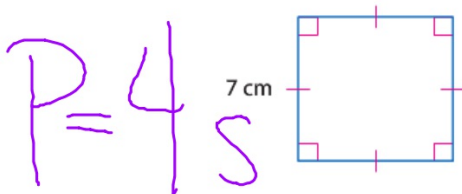
a. a rectangle with a length of 5 inches and a width of 1 inch



$$P = 2l + 2w$$
$$= 2 \cdot 5 + 2 \cdot 1$$
$$10 + 2$$

$$P = 12 \text{ in}$$

b. a square with a side length of 7 centimeters



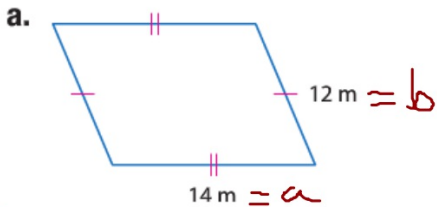
$$P = 4s$$

$$P = 4 \cdot 7$$

$$P = 28 \text{ cm}$$

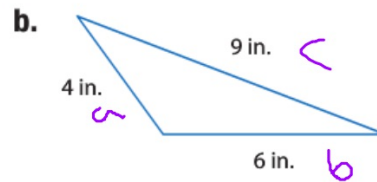
I can find the perimeter of two dimensional figures

Ex. 2 Find the perimeter of each figure.



$$\begin{aligned} P &= 2a + 2b \\ &= 2 \cdot 14 + 2 \cdot 12 \\ &= 28 + 24 \end{aligned}$$

$$P = 52\text{ m}$$



$$\begin{aligned} P &= a + b + c \\ P &= 4 + 6 + 9 \\ P &= 19\text{ in} \end{aligned}$$

I can find the perimeter of two dimensional figures

Circle

is the set of all points in a plane that are the same distance from a given point

Diameter

the distance across a circle through its center

Center

the given point that all points on the circle are

equidistant from

the same distance from

Radius

distance from the center to any point on the circle (half the diameter)

Circumference

the distance around a circle (the perimeter of a circle)

I can find the perimeter of two dimensional figures

Circumference formula $2\pi r$ or πd

Two times pi times the radius or pi times the diameter

Ex. 3 Find each circumference to the nearest tenth.

a. The radius is 4 feet.

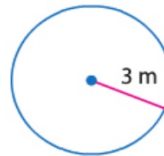
$$C = 2\pi \cdot 4$$

$$C = 25.13274123$$
$$C = 25.1 \text{ ft}$$

b. The diameter is 15 centimeters.

$$C = \pi \cdot 15$$
$$C = 47.1 \text{ cm}$$

c.



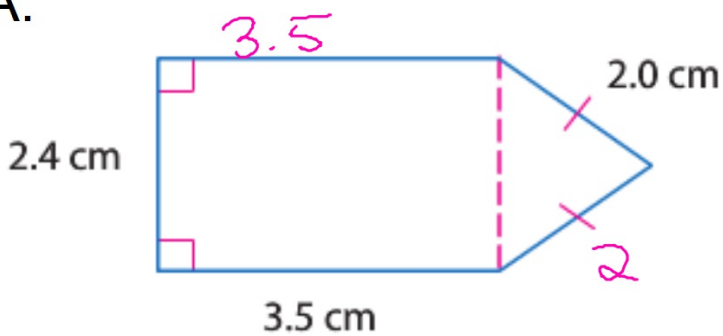
$$C = 2 \cdot \pi \cdot 3$$

$$C = 18.8 \text{ m}$$

I can find the perimeter of two dimensional figures

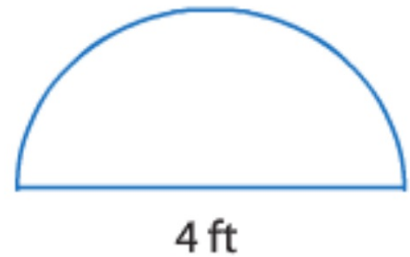
Ex. 4 Find the perimeter of each figure round to the nearest tenth.

A.



$$2.4 + 3.5 + 2 + 2 + 3.5$$
$$2.4 + 2(3.5) + 2(2)$$
$$P = 13.4 \text{ cm}$$

B.



$$C = \pi \cdot 4$$
$$C = 6.3 \text{ ft}$$

Ms. Brown
Alg 1
9/13/16
Pg P25 #2-20ev

I can find the perimeter of two dimensional figures

Hmwk

pg P25

#2-20ev

IXL 6th FF.1