

Can you find the perimeter and circumference of these shapes?

Directions: Find the perimeter/circumference of the different shapes. Remember to show your work!

Circumference = the distance around a circle

$$C=(d)(\Pi)$$

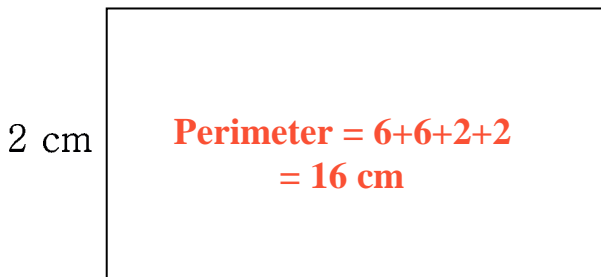
D= diameter

$$\Pi= 3.14$$

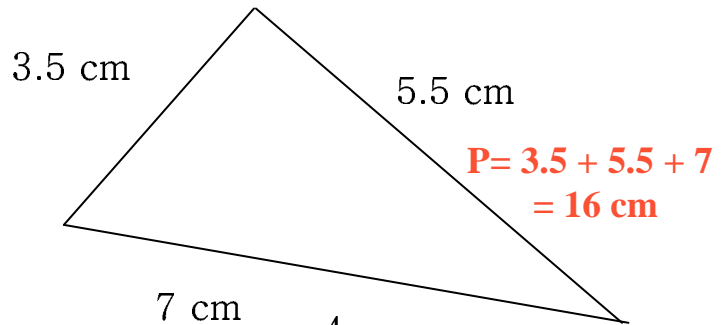
Perimeter = the distance around a shape.

$$P=L+L+W+W$$

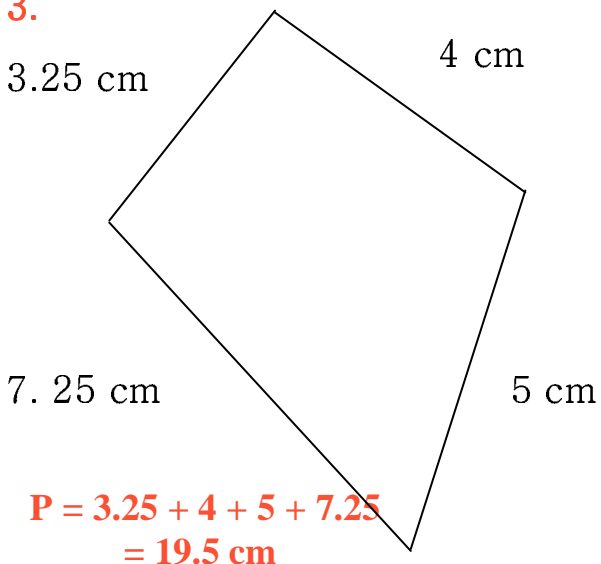
1. 6 cm



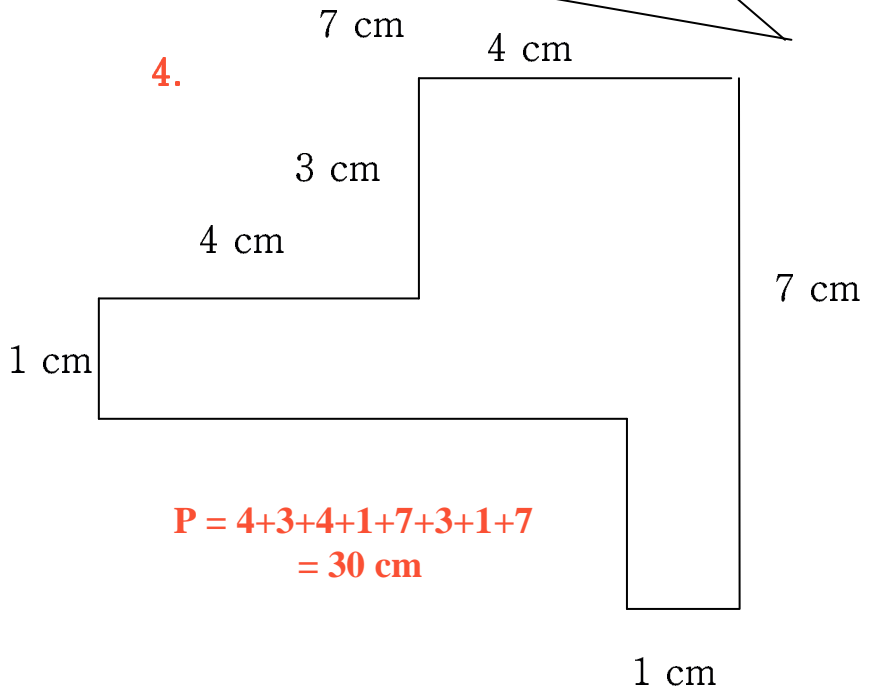
2.



3.



4.



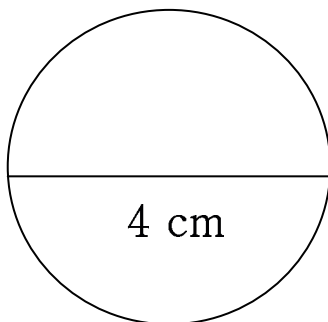
5. What is the perimeter of a rectangular house if its length is 150 feet and its width is 100 feet?

$$\begin{aligned} P &= 100+100+150+150 \\ &= 500 \text{ feet} \end{aligned}$$

6. Madison just got a new puppy for her birthday. She wants to fence in her backyard so her new puppy can not run away. But she does not know how much fencing she will need. If the dimensions of her backyard are 50 feet by 35 feet, how much fencing will she need to enclose the entire backyard?

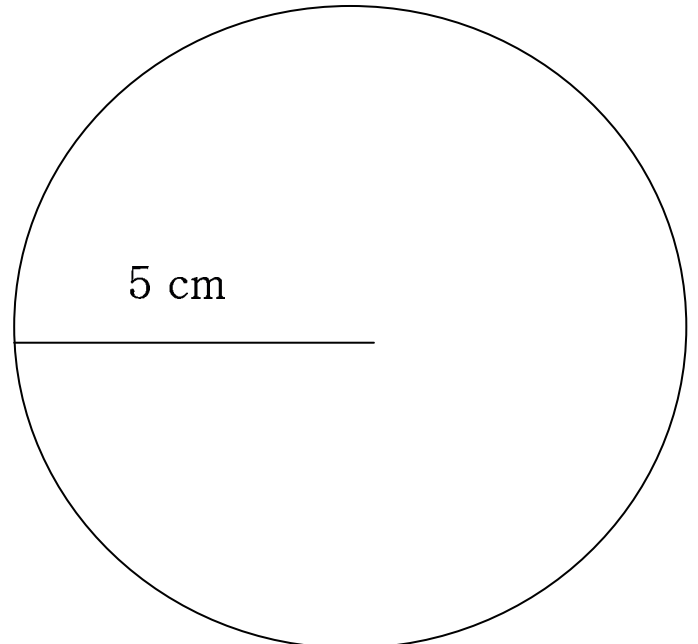
$$\begin{aligned} P &= 50 + 50 + 35 + 35 \\ &= 170 \text{ feet of fencing} \end{aligned}$$

7.



$$\begin{aligned} C &= (4)(\Pi) \\ &= 12.56 \text{ cm} \end{aligned}$$

8.



$$\begin{aligned} C &= (5+5)(\Pi) \\ &= 31.42 \text{ cm} \end{aligned}$$

9. What is the circumference of a pizza if the diameter is 16 inches? (Show your Work!)

$$\begin{aligned}C &= (16)(\Pi) \\ &= 50.27 \text{ in}\end{aligned}$$

10. What is the circumference of a dinner plate if the radius is 4 inches? (Show your Work!)

$$\begin{aligned}C &= (4+4)(\Pi) \\ &= 25.13 \text{ in}\end{aligned}$$