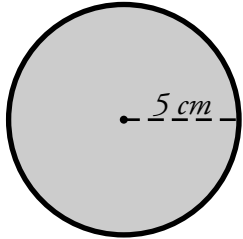


Name: \_\_\_\_\_

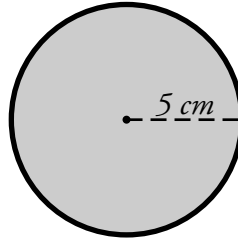
# Circumference & Area of a Circle

## Circumference



$$C = 2 \times \pi \times r$$
$$r = 5 \text{ cm}$$
$$\pi \approx 3.14$$
$$C = 2 \times 3.14 \times 5 \text{ cm}$$
$$C = 31.40 \text{ cm}$$

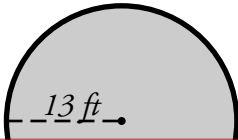
## Area



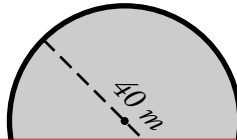
$$A = \pi r^2$$
$$r = 5 \text{ cm}$$
$$\pi \approx 3.14$$
$$A = 3.14 \times (5 \text{ cm} \times 5 \text{ cm})$$
$$A = 3.14 \times 25 \text{ cm}^2$$
$$A = 78.50 \text{ cm}^2$$

Find the circumference and area of each circle. Use 3.14 for pi.

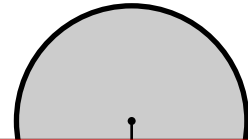
a.



b.

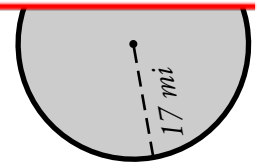
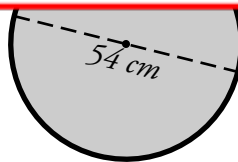
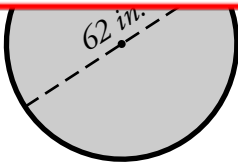


c.



# ~ PREVIEW ~

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Find the missing measurements.

g.  $r = 15 \text{ cm}$ ,  $d =$  \_\_\_\_\_,  $C = 94.20 \text{ cm}$ ,  $A =$  \_\_\_\_\_

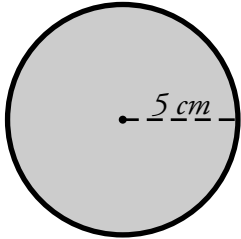
h.  $r =$  \_\_\_\_\_,  $d = 24 \text{ mm}$ ,  $C =$  \_\_\_\_\_,  $A = 452.16 \text{ mm}^2$

i.  $r = 19 \text{ cm}$ ,  $d =$  \_\_\_\_\_,  $C =$  \_\_\_\_\_,  $A =$  \_\_\_\_\_

# ANSWER KEY

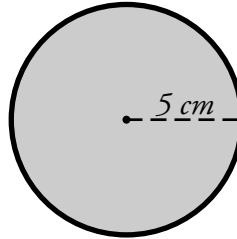
## Circumference & Area of a Circle

### Circumference



$$C = 2 \times \pi \times r$$
$$r = 5 \text{ cm}$$
$$\pi \approx 3.14$$
$$C = 2 \times 3.14 \times 5 \text{ cm}$$
$$C = 31.40 \text{ cm}$$

### Area



$$A = \pi r^2$$
$$r = 5 \text{ cm}$$
$$\pi \approx 3.14$$
$$A = 3.14 \times (5 \text{ cm} \times 5 \text{ cm})$$
$$A = 3.14 \times 25 \text{ cm}^2$$
$$A = 78.50 \text{ cm}^2$$

Find the circumference and area of each circle. Use 3.14 for pi.

a.



b.



c.



# ~ PREVIEW ~

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