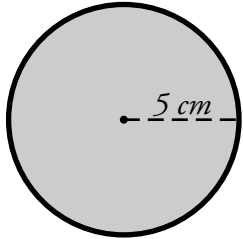


Name: _____

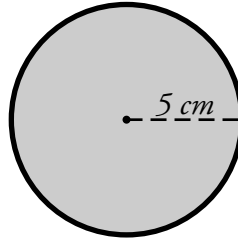
Circumference & Area of a Circle

Circumference



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

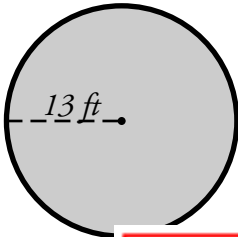
Area



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

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

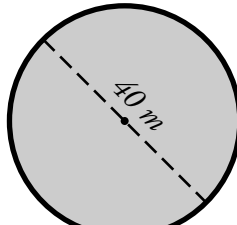
a.



$C = \underline{\hspace{2cm}}$

$A = \underline{\hspace{2cm}}$

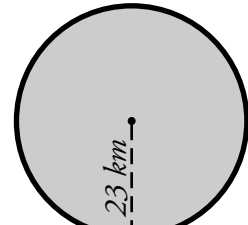
b.



$C = \underline{\hspace{2cm}}$

$A = \underline{\hspace{2cm}}$

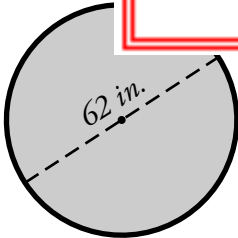
c.



$C = \underline{\hspace{2cm}}$

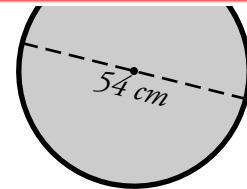
$A = \underline{\hspace{2cm}}$

d.



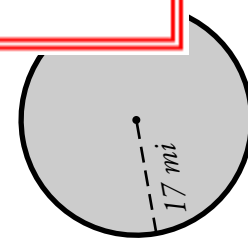
$C = \underline{\hspace{2cm}}$

$A = \underline{\hspace{2cm}}$



$C = \underline{\hspace{2cm}}$

$A = \underline{\hspace{2cm}}$



$C = \underline{\hspace{2cm}}$

$A = \underline{\hspace{2cm}}$

Find the missing measurements.

g. $r = 15 \text{ cm}$, $d = \underline{\hspace{2cm}}$, $C = 94.20 \text{ cm}$, $A = \underline{\hspace{2cm}}$

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

i. $r = 19 \text{ cm}$, $d = \underline{\hspace{2cm}}$, $C = \underline{\hspace{2cm}}$, $A = \underline{\hspace{2cm}}$



ANSWER KEY

Circumference & Area of a Circle

Circumference

$$C = 2 \times \pi \times r$$

$$r = 5 \text{ cm}$$

$$\pi = 3.14$$

$$C = 2 \times 3.14 \times 5 \text{ cm}$$

$$C = 31.40 \text{ cm}$$

Area

$$A = \pi r^2$$

$$r = 5 \text{ cm}$$

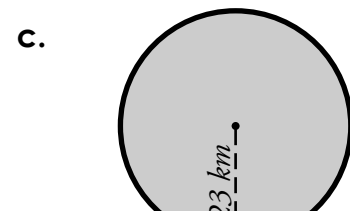
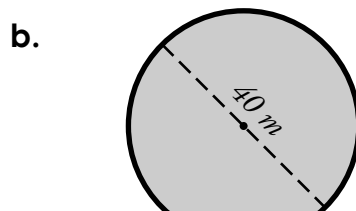
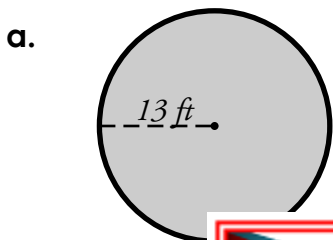
$$\pi = 3.14$$

$$A = 3.14 \times (5 \text{ cm} \times 5 \text{ cm})$$

$$A = 3.14 \times 25 \text{ cm}^2$$

$$A = 78.50 \text{ cm}^2$$

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



$C = \underline{8}$

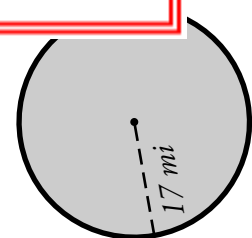
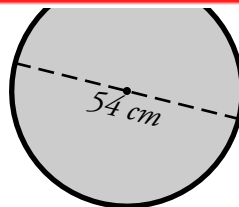
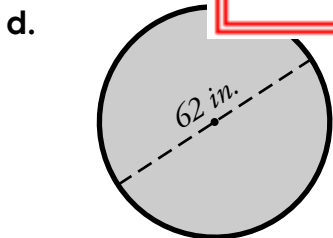
$A = \underline{53}$

PREVIEW

Please log in or register to download the printable version of this worksheet.

 km

 km²



$C = \underline{194.68 \text{ in.}}$

$A = \underline{3017.54 \text{ in.}^2}$

$C = \underline{169.56 \text{ cm}}$

$A = \underline{2289.06 \text{ cm}^2}$

$C = \underline{106.76 \text{ mi}}$

$A = \underline{907.46 \text{ mi}^2}$

Find the missing measurements.

g. $r = 15 \text{ cm}$, $d = \underline{30 \text{ cm}}$, $C = 94.20 \text{ cm}$, $A = \underline{706.50 \text{ cm}^2}$

h. $r = \underline{12 \text{ mm}}$, $d = 24 \text{ mm}$, $C = \underline{75.36 \text{ mm}}$, $A = 452.16 \text{ mm}^2$

i. $r = 19 \text{ cm}$, $d = \underline{38 \text{ cm}}$, $C = \underline{119.32 \text{ cm}}$, $A = \underline{1133.54 \text{ cm}^2}$