

## Math Measurement Geometry and Algebra 7\_4

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

Date: \_\_\_\_\_

1.

$$\text{Circumference} = 2\pi r$$

Which circumference is greatest?

- A.   $r = 8 \text{ in.}$
- B.   $r = 4 \text{ in.}$
- C.   $r = 7 \text{ in.}$

2.

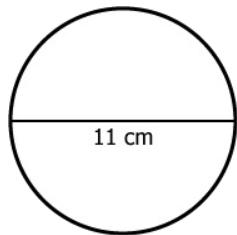
76 in. is about the circumference

of a \_\_\_\_.

- A. scoop of ice cream
- B. frisbee
- C. hula hoop

3.

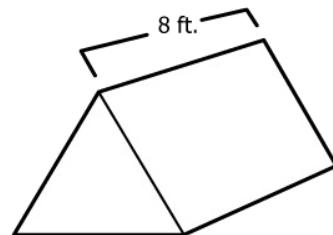
$$\text{Circumference} = \pi \times \text{diameter}$$



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

4.

$$\text{Volume} = \text{base area} \times \text{length}$$



$$V = 48 \text{ ft.}^3$$

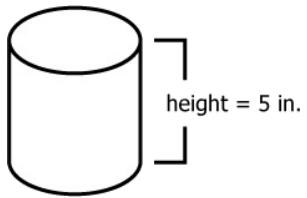
$$\text{base area} = \underline{\hspace{2cm}} \text{ ft.}^2$$

- A. 54.34
- B. 45.43
- C. 34.54

- A. 18
- B. 6
- C. 9

5.

$$\text{Volume} = \pi r^2 \times \text{height}$$

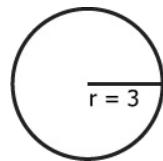


$$V = 80\pi \text{ in.}^3$$

$$r = \underline{\hspace{1cm}} \text{ in.}$$

6.

$$\text{Area} = \pi r^2$$



$$A = \underline{\hspace{1cm}} \text{ units}^2$$

A. 4

B. 7

C. 76

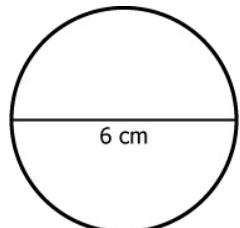
A.  $9\pi$

B.  $6\pi$

C.  $12\pi$

7.

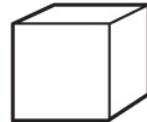
$$\text{Circumference} = \pi \times \text{diameter}$$



$$C = \underline{\hspace{1cm}} \text{ cm}$$

8.

$$\text{Volume} = \text{edge} \times \text{edge} \times \text{edge}$$



Each edge of the cube = 1 in.

$$V = \underline{\hspace{1cm}} \text{ in.}^3$$

A. 16.24

B. 18.84

C. 12.24

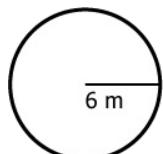
A. 3

B. 2

C. 1

9.

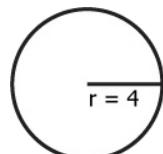
$$\text{Circumference} = 2\pi r$$



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

10.

$$\text{Area} = \pi r^2$$



$$A = \underline{\hspace{2cm}} \text{ units}^2$$

A.  $12\pi$

B.  $6\pi$

C. 12

A.  $16\pi$

B.  $8\pi$

C.  $20\pi$

11.

$$\text{Area} = \pi r^2$$

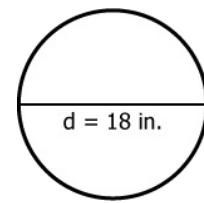
$$r = 1 \text{ in.}$$

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

12.

$$\text{Area} = \pi r^2$$

$$r = \frac{1}{2}d$$



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

A.  $\pi$

B. 1

C.  $2\pi$

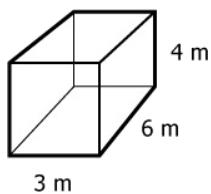
A.  $18\pi$

B.  $81\pi$

C.  $9\pi$

13.

$$\text{Surface Area} = 2(lw + lh + wh)$$

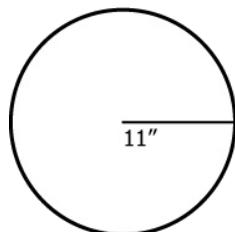


$$SA = \underline{\hspace{2cm}} \text{ m}^2$$

- A. 108
- B. 364
- C. 72

14.

$$\text{Area} = \pi r^2$$

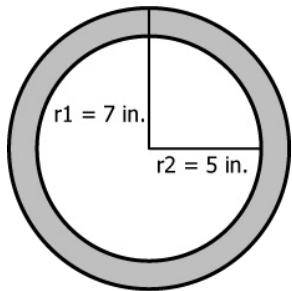


$$A = \underline{\hspace{2cm}} \text{ ft.}^2$$

- A. 121
- B. 379.9
- C. 211

15.

$$\text{Area} = \pi r^2$$

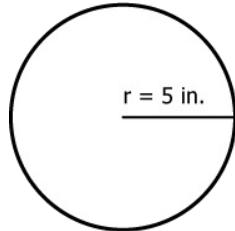


$$\text{Area of gray ring} = \underline{\hspace{2cm}} \text{ in}^2$$

- A.  $24\pi$
- B.  $14\pi$
- C.  $2\pi$

16.

$$\text{Circumference} = 2\pi r$$



Circumference is about    in.

- A. 15
- B. 314
- C. 31.4