

Math Measurement Geometry and Algebra 7_5

Student Name: _____

Date: _____

1.



Which can fold to make this box?



2.

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

$$\text{diameter of a circle} = 4"$$

Circumference is about ____ .

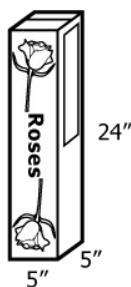
A. 3"

B. 24"

C. 12"

3.

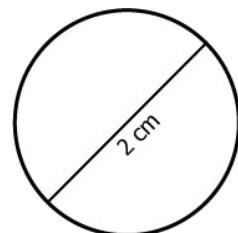
$$\text{Volume} = L \times W \times H$$



$$V = \underline{\hspace{2cm}} \text{ in.}^3$$

4.

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



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

A. 240

B. 524

C. 600

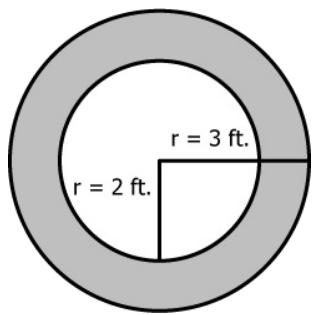
A. 16.24

B. 6.28

C. 12.18

5.

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

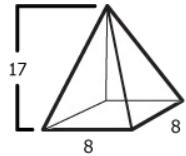


$$\text{white area} = \underline{\hspace{2cm}} \text{ ft.}^2$$

- A. 4π
- B. 5π
- C. 9π

6.

$$V = \frac{1}{3}(\text{Area of Base} \times H)$$

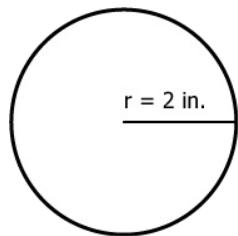


$$V = \underline{\hspace{2cm}}$$

- A. $\frac{1}{3} (8 \times 8 \times 17)$
- B. $\frac{1}{3} (8 + 8 \times 17)$
- C. $\frac{1}{3} (8 \times 8 + 17)$

7.

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

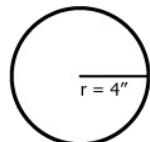


$$\text{Circumference is } \underline{\hspace{2cm}} \text{ in.}$$

- A. 3.14
- B. 6.28
- C. 12.56

8.

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



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

- A. 25.12
- B. 24.12
- C. 26.12

9.

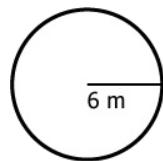
$$\text{Surface Area} = 2(lw + lh + wh)$$

$l = 10 \text{ in.}$, $w = 4 \text{ in.}$, $h = 7 \text{ in.}$

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

10.

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



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

A. 276 B. 470 C. 280 A. 12π B. 36π C. $6\pi^2$

11.

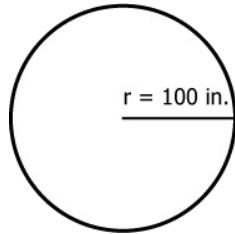


$$\text{Area} = \pi r^2$$

$$\text{Area of the plate} = \underline{\hspace{2cm}} \text{ in.}^2$$

12.

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

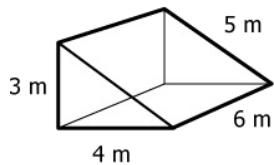


Circumference is about $\underline{\hspace{2cm}}$ in.

A. 25π B. 16π C. 10π A. 314 B. 628 C. 3000

13.

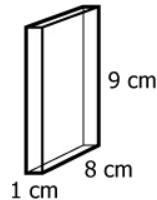
$$\text{Volume} = \frac{1}{2} lwh$$



$$V = \underline{\hspace{2cm}} \text{ m}^3$$

14.

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



Cal wraps this box in paper.

How much paper does he need?

A. 36

B. 6.5

C. 72

A. 189 in²

B. 72 in²

C. 178 in²

15.

Which shows circumference?

16.

$$\text{Volume} = \text{Area of base} \times \text{Height} \div 3$$



$$\text{Area of base} = 12 \text{ in.}^2$$

$$\text{Volume} = \underline{\hspace{2cm}} \text{ in.}^3$$

A. $2 \times 3 \times r$

B. $\pi \times r^2$

C. $2 \times \pi \times r$

A. 50

B. 20

C. 30