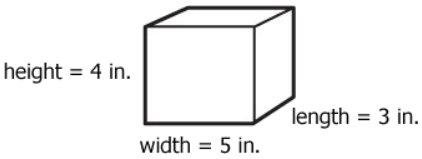
Math Measurement Geometry and Algebra 7_8

Student Name:_____ Date:_____

1.

Volume = l × w × h



V = ___ $in.^3$

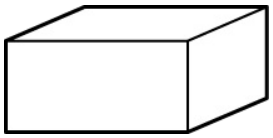
A. 12

B. 60

C. 54

2.

Volume = L × W × H



Volume = 24 $unit^3$

L × W × H can be ___ .

A. 2 × 3 × 4

B. 3 × 6 × 5

C. 2 × 8 × 3

3.

Circumference = 2πr

Which circumference is greatest?

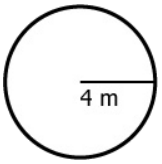
A.  r = 3 in.

B.  r = 5 in.

C.  r = 4.5 in.

4.

Circumference = 2πr



C = ___ m

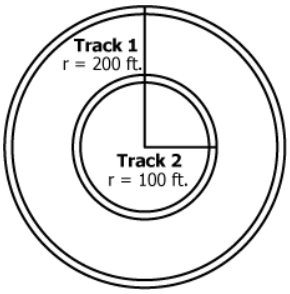
A. 24

B. 8π

C. π

5.

Circumference = $2\pi r$



How much longer around is Track 1 than Track 2?

A. 100π ft.

B. 20π ft.

C. 200π ft.

6.

Circumference = $2\pi r$

A circle has r = 4 in.

C = ___ in.

A. 18π

B. 12π

C. 8π

7.

Area = πr^2

A = 9π in.^{2}

r = ___ in.

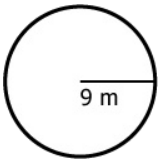
A. 3

B. 14

C. 9

8.

Circumference = $2\pi r$



C = ___ m

A. 29π

B. 18π

C. 81

9.

Circumference = $2\pi r$

A pizza has r = 7 in.

C = ___ in.

A. 49π

B. 14

C. 14π

10.

A cube has sides that are 5 inches long.

Volume = ___ $in.^3$

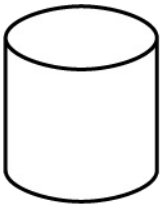
A. 125

B. 112

C. 15

11.

Volume = Area of Base × height



Area of Base = 9π sq. in.
Volume = 27π $in.^3$

height = ___ in.

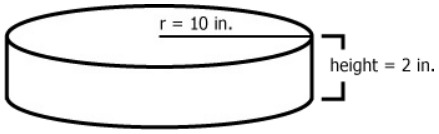
A. 18

B. 21

C. 3

12.

Volume = $\pi r^2 \times h$



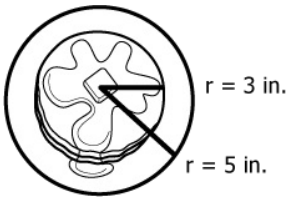
V = ___ $in.^3$

A. 100π

B. 20π

C. 200π

13.



Area = πr^2

Area of the plate
around the pancake = ___ $in.^2$

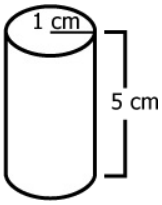
A. 16π

B. 34π

C. 25π

14.

Surface Area = $2\pi r^2 + 2\pi r \times h$



Jes paints this can. She needs 1 ml of paint for every 1 cm^2.

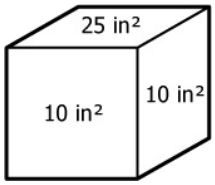
About how much paint does she use?

A. 51 ml

B. 11 ml

C. 36 ml

15.



Surface area = ___ $in.^2$

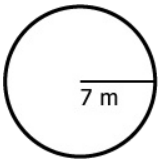
A. 45

B. 90

C. 120

16.

Circumference = $2\pi r$



C = ___ m

A. 7π

B. 14π

C. 14