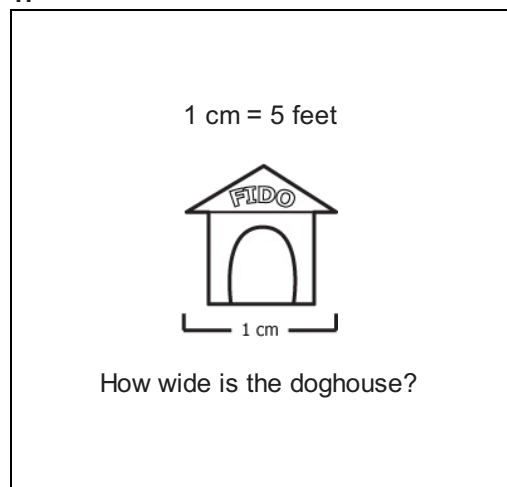


Math Nums Ops Algebra and Geometry 7_8

Student Name: _____

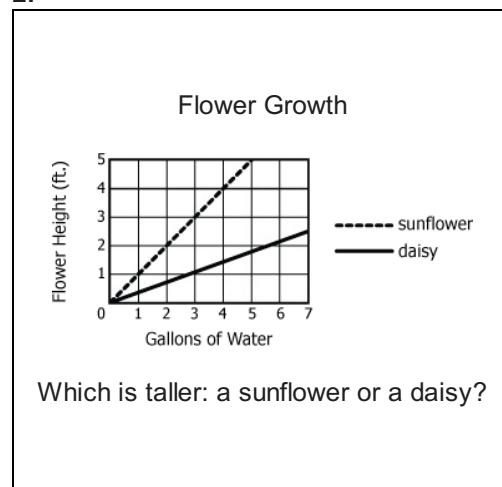
Date: _____

1.



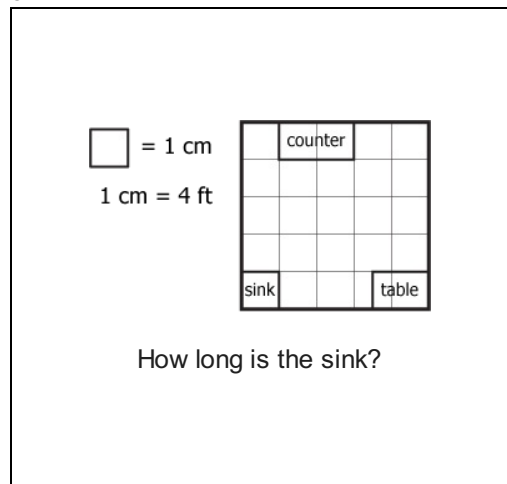
- A. 1 foot
- B. 5 feet
- C. 3 feet

2.



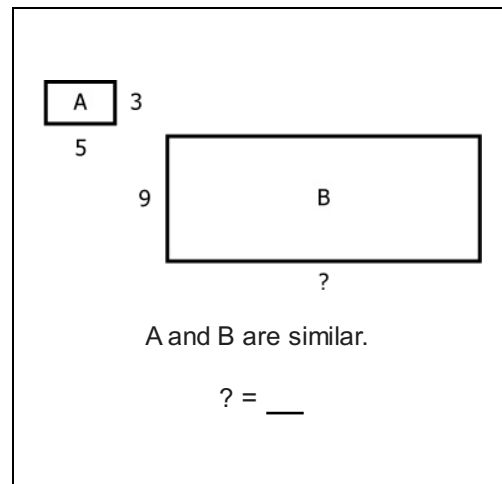
- A. daisy
- B. sunflower
- C. both are the same

3.



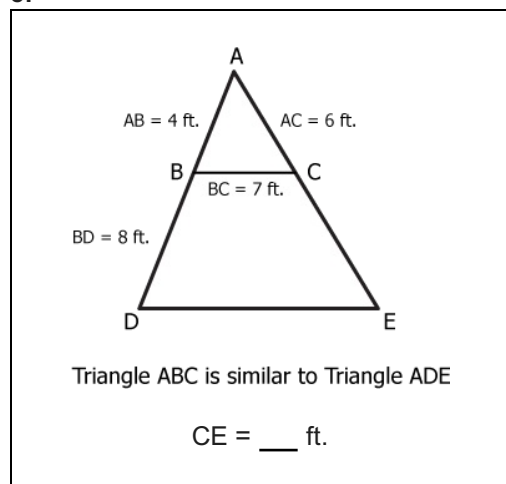
- A. 8 feet
- B. 4 feet
- C. 6 feet

4.



- A. 5
- B. 15
- C. 9

5.



- A. 20
- B. 12
- C. 8

6.

It costs \$4 to enter a skate rink.

It costs \$2 per hour to rent skates.

Todd skates for (y) hours.

Which shows the cost (c)?

- A. $c = 2 + 4$
- B. $c = 4 + 2y$
- C. $c = 4y + 2$

7.

Amount of Recycling for Families

Number of Families	Lbs of Recycled Materials
5	25
10	50
15	75
20	100

6 families have ____ lbs. of recycling.

- A. 5
- B. 25
- C. 30

8.

3 tickets cost \$5.00.

How many tickets for \$25.00?

- A. 5
- B. 15
- C. 20

9.

Nancy has a map.

The map scale is 2 cm = 3 km.

Her house is 14 cm from school on the map.

How far is her house from school?

- A. 7 km
- B. 14 km
- C. 21 km

10.

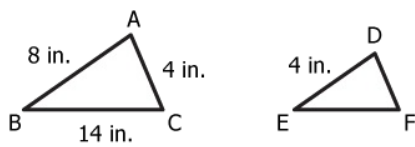
$$1 \text{ m} = 100 \text{ cm}$$

A slug moves $1 \frac{\text{m}}{\text{hr}}$.

How many $\frac{\text{cm}}{\text{hr}}$ does it move?

- A. $1 \frac{\text{cm}}{\text{hr}}$
- B. $100 \frac{\text{cm}}{\text{hr}}$
- C. $60 \frac{\text{cm}}{\text{hr}}$

11.



Triangle ABC is similar to Triangle DEF

EF = ____ in.

- A. 8
- B. 7.5
- C. 7

12.

Store	Ski Boots	Ski Rental per Hour
Store A	\$111.00	\$12.00
Store B	\$108.00	\$14.00
Store C	\$109.00	\$18.00

Ann goes to Store B.

She buys ski boots and rents skis for (x) hours.

Which shows the cost (y)?

- A. $y = 108 + 14x$
- B. $y = 108x + 14$
- C. $y = 108 + 14 + x$

13.

At the copy store, 18 copies cost \$1.08.

How much do 40 copies cost?

- A. \$2.40
- B. \$24.00
- C. \$48.60

14.

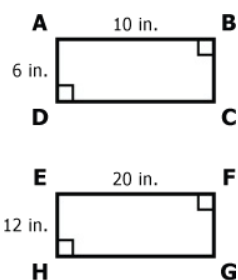
A cat runs 21 miles per hour (mph).

A dog runs $\frac{2}{3}$ as fast.

The dog runs ___ mph.

- A. 14
- B. 42
- C. 7

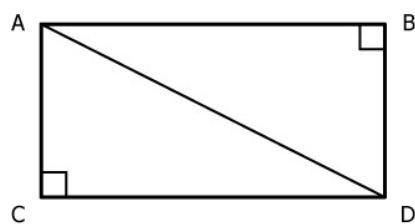
15.



Which side is 2 times longer than AD?

- A. FG
- B. AB
- C. EF

16.



Triangle ACD is congruent to Triangle ABD

BD = ___

- A. AD
- B. AB
- C. AC