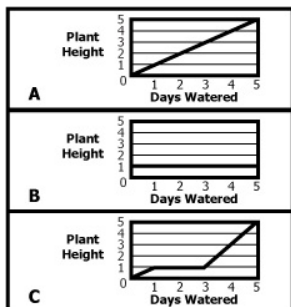# Math Nums Ops Algebra and Geometry 7_1

Student Name:_____   Date:_____

1.

Each day that it is watered,
a plant grows 1 inch.
Which shows this?

A. A

B. B

C. C

2.

Truck Facts

Truck	Cost in $	Tons it can tow
1	20,000	8
2	22,000	12
3	40,000	28
4	35,000	24

Which costs 2 times
as much as Truck 1?

A. Truck 3

B. Truck 2

C. Truck 4

3.

12 inches = 1 foot

Kate is 6 feet tall.

How many inches is this?

A. 60

B. 18

C. 72

4.

Triangle ABC is congruent to Triangle DBC

BD = ___

A. $\frac{4}{5}$ in.

B. 4 in.

C. 5 in.

5.

F

H   G

m∠F = 20°

m∠G = ___

A. 90°

B. 80°

C. 70°

6.
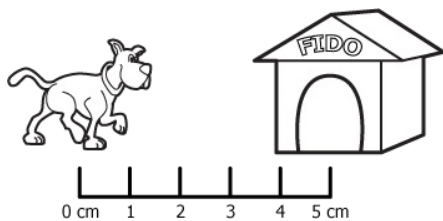
A car goes 400 miles on 10 gallons of gas.

How many miles can it go on 30 gallons?

A. 500

B. 1400

C. 1200

7.

1 cm = 5 feet

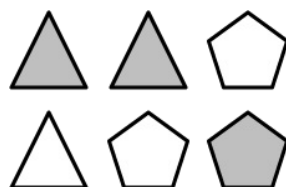FIDO

0 cm   1   2   3   4   5 cm

How far into the doghouse?

A. 5 feet

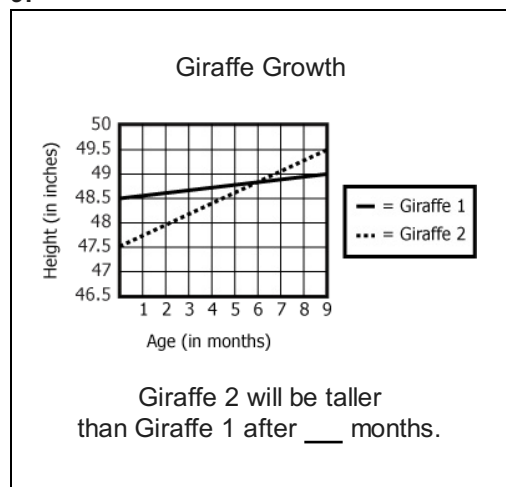**B.** 25 feet

C. 20 feet

8.

Mona picks one shape without looking.
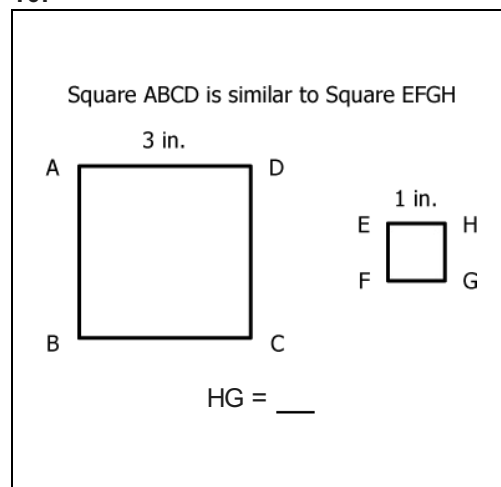
What is the chance that she will pick a triangle?

A. $\frac{1}{6}$

B. $\frac{3}{5}$

C. $\frac{1}{2}$

9.

Giraffe Growth

Giraffe 2 will be taller
than Giraffe 1 after ___ months.

A. 2

B. 3

C. 6

10.

Square ABCD is similar to Square EFGH

HG = ___

A. 2 in.

B. 1 in.

C. 3 in.

11.

Lu has 75 jellybeans.

She eats 25.

What % did she eat?

A. 75%

B. 25%

C. 33%

12.

A car has 10 gallons of gas.

Sandy adds 0.25 gallons per second.

Which shows how much gas (y) is in the
car after (x) seconds?

A. y = 10 + 0.25x

B. y = 10x + 0.25

C. y = 10 + 0.25

13.

Truck Facts

Truck	Cost in $	Tons it can tow
1	20,000	8
2	22,000	12
3	40,000	28
4	35,000	24

Which Truck can tow $\frac{1}{3}$ as much as Truck 4?

A. Truck 1

B. Truck 3

C. Truck 2

14.

Triangle ABC has sides of 2 inches.

Triangle DEF and Triangle ABC are congruent.

How long is Side DE?

A. 4 inches

B. 2 inches

C. 60 inches

15.

190% of 16 = ___

A. 3.04

B. 304

C. 30.4

16.

$$\frac{x}{42} = \frac{3}{7}$$

$$x = \underline{\quad}$$

A. 18

B. 98

C. 2