Math Nums Ops Algebra and Geometry 7_9

Student Name:_____   Date:_____

1.

A coin has a heads side and a tails side.

Chuck flips the coin 80 times.

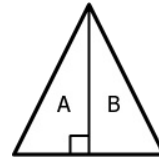_About_ how many times will it land heads up?

A. 25

B. 40

C. 50

2.

Triangles A and B are congruent.

Area of A = 90 units^2

Area of B = ___ units^2

A. 90

B. 30

C. 45

3.

Joe gets 90% right on a quiz with 20 questions.

How many questions does he get right?

A. 18

B. 9

C. 20

4.

These triangles are congruent.

The side lengths are ___.

A. equal

B. not equal

C. perpendicular

5.

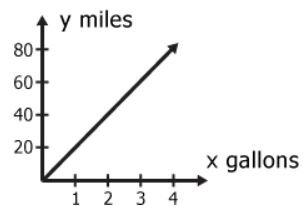Ken buys a bag of 70 marshmallows.

42 are pink and the rest are white.

What % are white?

A. 40%

B. 45%

C. 60%

6.

Fuel Needed for Trips

About how many gallons are needed for 40 miles?

A. 2

B. 0

C. 4

7.

$$\frac{12 \text{ in}}{1 \text{ ft}} = \frac{96 \text{ in}}{?}$$

$$? = \underline{\quad}$$

A. 8 ft

B. 6 ft

C. 5 ft

8.

1 in. = 2.54 cm

8 in. = ___ cm

A. 203.2

B. 8.54

C. 20.32

9.

☐ = 1 cm

1 cm = 4 ft

counter

sink   table

How long is the table?

A. 8 feet

B. 6 feet

C. 5 feet

10.

Triangle ACD is congruent to Triangle DBA

A   B

5 in.

C   20 in.   D

How much longer is AB than BD?

A. 10 in.

B. 15 in.

C. 20 in.

11.

9   8

12

24

These triangles are ___.
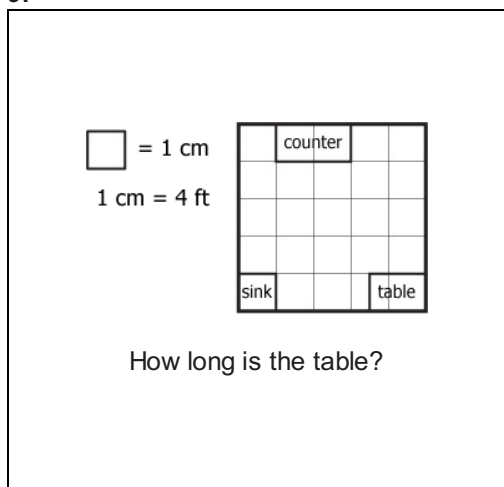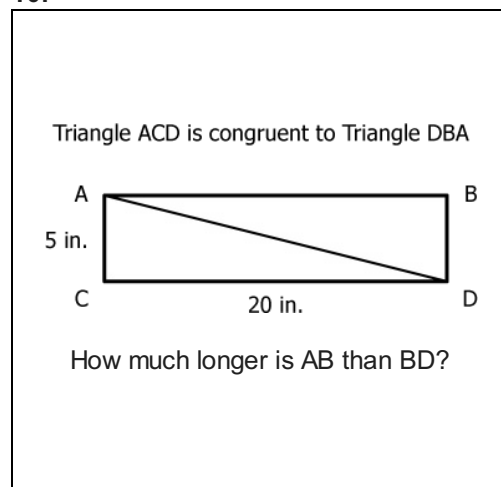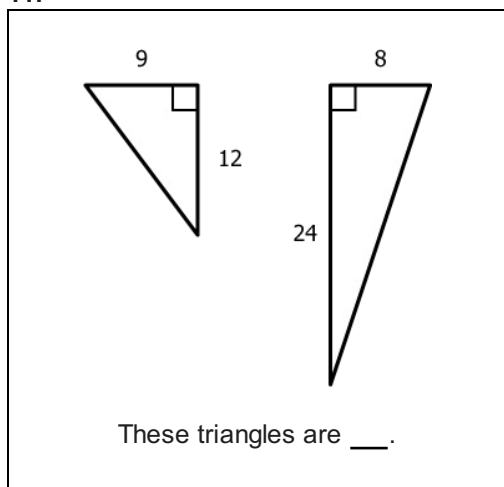
A. similar

B. congruent

C. not similar or congruent

12.

96   72

x   6

60   5

A   **B**

Triangles A and B are similar.

X = ___

A. 8

B. 12

C. 9

13.

BA = AC

DF = ___ units

A. 6

B. 4

C. 8

14.

7

14

A

3

x

B

A and B are similar

X = ___
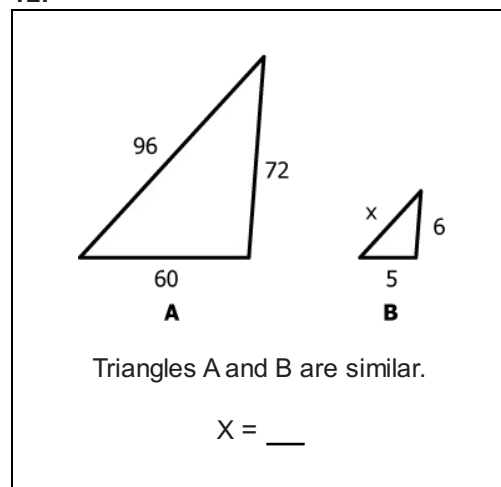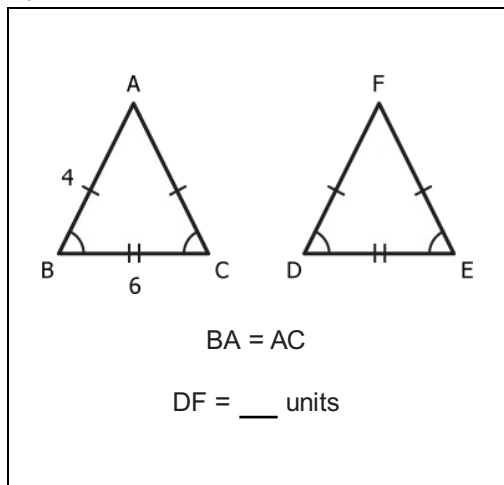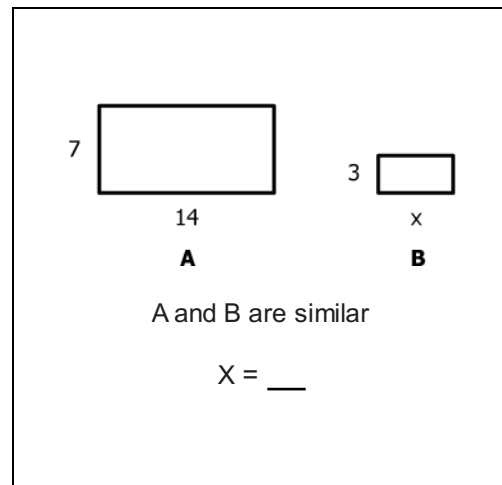
A. 6

B. 12

C. 9

15.

A shoe store has a sale.

Shoes are 25% off.

Shoe price = $48.00

Sale price = ___

A. $40.00

B. $36.00

C. $28.00

16.

Triangle ACD is congruent to Triangle DBA

A

B

5 in.

C

20 in.

D

BD = ___

A. 20 in.

B. 5 in.

C. 4 in.