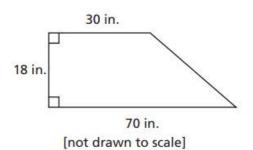
- A circular plate has a diameter of 9 inches. What is the area of the dish?
 - 12.56π in.²
 - 16π in.²
 - 20.25π in.2
 - 81π in.²
- Which equation is true?

 - $C = \frac{4}{-9} = \frac{-4}{9}$
 - **D** $\frac{4}{-9} = \frac{2}{3}$

The figure below shows one of the paving stones in Jack's garden.



What is the area of the paving stone?

- 450 in.2
- 900 in.2
- C 1,680 in.2
- 1,800 in.2

Doubling the sum of Steve's and Pam's ages gives 38. If Pam is 10 years old, how old is Steve?

- 4 years old
- 9 years old
- 14 years old

The table below shows how much flour Quon needs to bake various numbers of scones.

Scones	Cups of Flour
12	3
20	5
28	7

How many cups of flour does Quon need for each scone?

- A 1
- B
- C 3
- **D** 4

6.

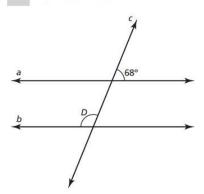
A carpet store charges by the square yard for a particular brand of carpet. The price for 38 square yards is \$294.50.

At this rate, what is the price for 54 square yards of the carpet?

- A \$391.50
- B \$418.50
- C \$445.50
- D \$472.50

7.

35 Lines a and b are parallel.



What is the measure of $\angle D$?

- A 22°
- B 68°
- C 112°
- D 122°

A butcher is dividing a round of beef into 3 equal-sized roasts. If each roast weighs 7.9 pounds, and there are 1.4 pounds of beef left over, how much did the round weigh?

- A 19.5 pounds
- B 22.3 pounds
- C 25.1 pounds
- D 27.9 pounds

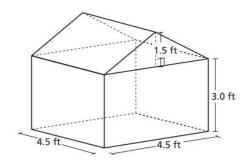
9.

Sapphire has one bag with 8 apples and 12 oranges, and another bag with 6 apples and 9 oranges. What is the number of oranges per apple in each bag?

- A 12
- B 8
- $C = \frac{3}{2}$
- $D = \frac{2}{3}$

10.

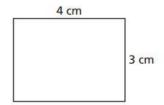
The diagram below shows a doghouse that Calvino built.



What is the volume of the doghouse?

- A 75.9375 ft³
- B 60.75 ft³
- C 30.375 ft³
- D 15.1875 ft³

The figure below is a scale drawing of a vacant lot in Phil's neighborhood. The scale of the drawing is 1 centimeter = 15 meters.



What is the actual area of the lot?

- A 180 m²
- B 210 m²
- C 2,700 m²
- D 3,600 m²

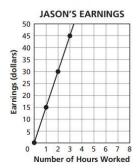
12.

Iba constructed $\triangle ABC$ in her notebook. \overline{AB} was 12 centimeters long. \overline{BC} was 10 centimeters long. Which measurement could be the length of \overline{AC} ?

- A 24 cm
- B 23 cm
- C 22 cm
- **D** 21 cm

13.

The graph below shows Jason's earnings based on the number of hours he works.



What point on the graph represents Jason's hourly pay rate?

- **A** (0, 0)
- **B** (1, 15)
- **C** (2, 30)
- **D** (3, 45)