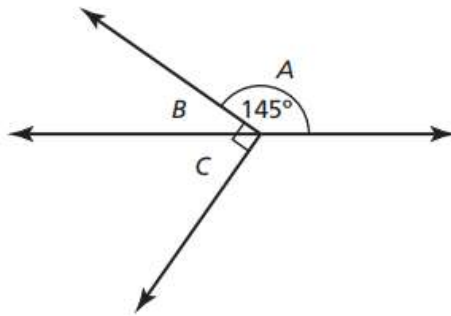**1.**

Of the 32 popcorn buckets Montel sold for a fundraiser, 18 were caramel corn buckets, and the rest were cheese corn buckets. The cheese corn buckets cost $15.25 each.

If Montel raised a total of $510.50, how much did each caramel corn bucket cost?

A $15.50

B $15.75

C $16.50

D $16.75

2.

Angles A, B, and C are shown below.

What is the measure of ∠C?
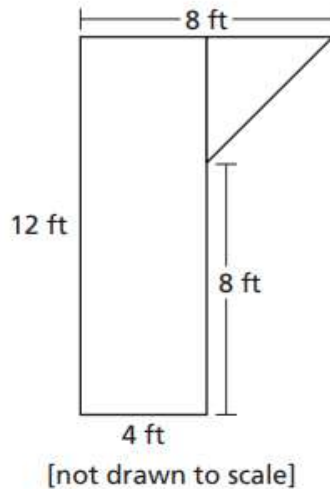
A 35°

B 55°

C 125°

D 145°

3.

The outside temperature at midnight was 3.4°C. The temperature then changed at a constant rate of ⁻0.78°C per hour for 8 hours. What was the outside temperature at 8:00 AM?

A 9.64°C

B 9°C

C ⁻2.2°C

D ⁻2.84°C

4.

The image shows one of the walls in Jennifer's apartment.

8 ft

12 ft

8 ft

4 ft

[not drawn to scale]

Jennifer wants to paint the wall. What is the area?

A   16 ft²

B   31 ft²

C   48 ft²

D   56 ft²

5.

The Mulraneys hired a contractor to build an addition to their home. The contractor proposed a rectangular room with an area of 300 square feet. The Mulraneys asked the contractor to change the area to 363 square feet by increasing both the length and the width by the same percentage.

By what percentage did the Mulraneys ask the contractor to increase the length of the room?

6.

Luanne made a photocopy of a drawing of a rectangle. The original drawing was 4.5 inches wide and 6 inches long. The copy was 6.75 inches wide and 9 inches long. What was the scale factor of the original to the copy?

A   2:3

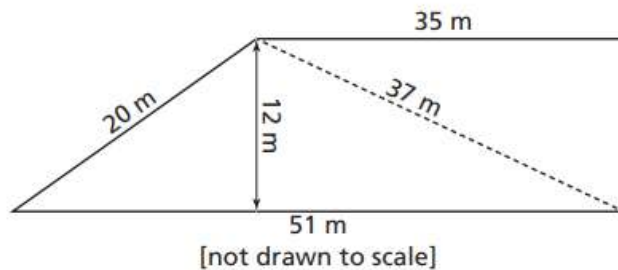**B**   1:2

C   4:9

D   1:3

7.

A landscaper is raising the price she charges to mow a lawn by 20%. If she used to charge $30 to mow a lawn, what is her new rate?

A $30.20

B $30.60

C $32.00

D $36.00

8.

The diagram shows one of the fields on Mr. Bernard's farm.

35 m

20 m   12 m   37 m

51 m

[not drawn to scale]

What is the area of the field?

A   700 m²

B   612 m²

C   516 m²

D   420 m²

9.

A spinner is divided into four colors, but not equally. Shannon spun the spinner 500 times. The number of times the spinner landed on each of the four colors is shown in the table.

Color	Number of Times
Blue	164
Green	86
Red	104
Yellow	146

Which is *most likely* the probability of the spinner landing on red?

A   17%

B   21%

C   29%

D   33%

10.

Which expression is equivalent to 14 − 9?

A   −14 + 9

B   −9 − 14

C   9 − (−14)

D   14 + (−9)

11.

In the table below, x is proportional to y.
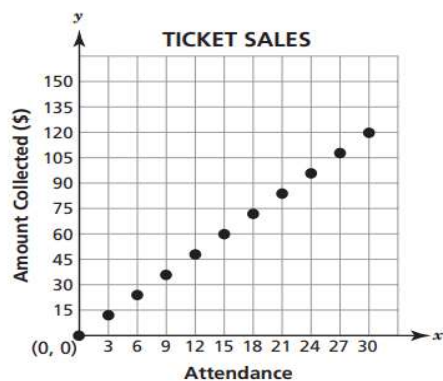
x	y
75	15
105	21
60	12
85	17

If $y = kx$, where k is the constant of proportionality, what is the value of k?

A $\frac{1}{5}$

B $\frac{1}{3}$

C 3

D 5

12.

The graph shows the relationship between the attendance at a school basketball game and the amount of money collected from ticket sales.

What does the point (0, 0) represent?

A   the number of dollars collected if no one attends the game

B   the number of dollars collected if 30 people attend the game

C   the number of dollars collected for each person attending the game

D   the number of people attending the game for each dollar collected