C. 1 9/12

D. 1 7/12 - answer-1 7/12

This results from creating equivalent fractions with common denominators and correctly adding the fractions: 10/12 + 9/12 =19/12

This can be simplified to the mixed number 1 7/12

What is the mean of the following numbers:

22, 15, 17, 65, 75, 23 - answer-36.17

(22+15+17+65+75+23)/6=217/6=36.17

What is the mode of the following series of numbers?

3, 15, 9, 17, 14, 8, 3, 25, 10, 21 - answer-3

The number 3 occurs twice, so it is the mode, because it occurs more often than any other number in the list.

The number of bushels (B) of a crop varies directly as the number of acres (a) of the field in which it is planted. A 3.5-acre plot of land produces 121 bushels of the crop. What is the equation of the variation?

A. B=0.0289A

B. B=34.57A

C. B=423.5A

D. B=124.5A - answer-B=34.57A

B=kA

121=3.5k

1. -5 - 2x

2. - 5x - 2

3. -5 + 16x

4. - 5x + 16 - answer-4

The table below shows the scores of 5 students at an exam:

Name of student Score (Out of 100)

Aditi 76

Imran 85

Mark 93

Aleena 56

Josh 61

Which of the following statements correctly describes the above information? Please select all that apply.

1. The range is less than half of the median for this collection.

2. The mean is equal to the median for this collection.

3. The median is greater than the range for this collection.

4. There is no mode.

5. The mean is greater than the median for this collection. - answer-1, 3, 4

What is the area of a circle with a radius of 9 in? (Use 3.14 for π)

1. 56.52 in^2

2. 254.34 in^2

3. 127.17 in^2

4. 85.46 in^2 - answer-2

What is the area of the following shape?

7cm, 6cm, 5cm, 4cm, 3cm, 3cm, 2cm, 2cm

1. 42 cm^2

2. 32 cm^2

3. 28 cm^2

4. 64 cm^2 - answer-3

Jessica is wrapping a gift in a rectangular box with gift wrapping paper for a birthday party. The box is 11 inches long, 8 inches wide, and 5 inches tall. How much gift wrapping paper will she need to wrap the box?

1. 183 in^2

2. 366 in^2

3. 150 in^2

4. 440 in^2 - answer-2

Carrie buys a can of paint from the local hardware store. The radius of the paint can is 4 inches and it is 11 inches tall. If the paint can is only one-half full, what is the volume of paint inside it?

$V = \pi \times r^2 \times h$

Use 3.14 for π.

1. 276.32 in3