

Name:

ANSWERS!

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Part 4-6 Classwork

Calculators OK

$$\frac{\text{Part}}{\text{Whole}} = \frac{\%}{100}$$

Question 01

You predict a change of exactly 20% from the number 40. What two numbers could you predict?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{40}{40} = \frac{20}{100}$$

$$40 \times 20 \div 100 = 8$$

$$40 + 8 = 48$$

$$40 - 8 = 32$$

Question 02

You predict a change of exactly 10% from the number 30. What two numbers could you predict?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{30}{30} = \frac{10}{100}$$

$$30 \times 10 \div 100 = 3$$

$$30 + 3 = 33$$

$$30 - 3 = 27$$

Question 03

You predict a change of exactly 15% from the number 60. What two numbers could you predict?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{60}{60} = \frac{15}{100}$$

$$60 \times 15 \div 100 = 9$$

$$60 + 9 = 69$$

$$60 - 9 = 51$$

Question 04

You predict a change of exactly 7% from the number 20. What two numbers could you predict?

$$\frac{7}{100}$$

$$20 \times 7 \div 100 = 1.4$$

$$20 + 1.4 = 21.4$$

$$20 - 1.4 = 18.6$$

Question 05

You predict a change of exactly 11% from the number 50. What two numbers could you predict?

$$\frac{11}{100}$$

$$50 \times 11 \div 100 = 5.5$$

$$50 + 5.5 = 55.5$$

$$50 - 5.5 = 44.5$$

Question 06

You predict a change of exactly 20% from the number 90. What two numbers could you predict?

$$\frac{20}{100}$$

$$90 \times 20 \div 100 = 18$$

$$90 + 18 = 108$$

$$90 - 18 = 72$$

Question 07

You predict a change of exactly 10% from the number 120. What two numbers could you predict?

$$\frac{10}{100}$$

$$120 \times 10 \div 100 = 12$$

$$120 + 12 = 132$$

$$120 - 12 = 108$$

Question 08

You predict a change of exactly 10% from the number 85. What two numbers could you predict?

$$\frac{10}{100}$$

$$85 \times 10 \div 100 = 8.5$$

$$85 + 8.5 = 93.5$$

$$85 - 8.5 = 76.5$$

Question 09

You predict a change of exactly 10% from the number 42.5. What two numbers could you predict?

$$\frac{10}{100}$$

$$42.5 \times 10 \div 100 = 4.25$$

$$42.5 + 4.25 = 46.75$$

$$42.5 - 4.25 = 38.25$$

Question 10

You predict a change of exactly 12.5% from the number 50. What two numbers could you predict?

$$\frac{12.5}{100}$$

$$50 \times 12.5 \div 100 = 6.25$$

$$50 + 6.25 = 56.25$$

$$50 - 6.25 = 43.75$$