

## Worksheet 3 |

Lower Secondary Stage (6-8)

1" Semester | 2023-2024

Subject: Math

Chapter: 2

Objectives:

• To revise percentage change and reverse percentage problems



Q1: Benita's weekly pay was increased from £450 to £468 Work out the percentage increase in Benita's weekly pay.

Recontage increase = 
$$\frac{18}{450} = \frac{2 \times 7}{50 \times 2} = 4\%$$

Q2: Paulo invested \$7500 at an interest rate of 5.4% per year. Work out the total amount in his account after one year.

Q3: Salim invested an amount of money at 6% interest.

After one year, interest was added to his account.

The amount in his account was then £901

Work out the amount of money Salim invested.

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فتمدة من

In a sale, normal prices are reduced by 12%. Q4:

- a) The normal price of a case is £45
- b) The price of a computer is reduced by £69 & Amount of the normal price of the case. Work out the normal price of the computer.

b) 
$$0.12 \times \chi = 69$$
  
 $0.12 \times = 69 \times 100$   
 $0.12 \times = 69 \times 100$   
 $0.12 \times 100$   
 $0.12 \times 100$ 

Of the number of people a company employs, 64% are men. The company employs 112 men. Work out the number of people the company employs.

A flight normally costs £650 It is reduced by 18%. How much will the flight now cost?

Q7: Magda got 54 out of 75 in a science test.

a) Work out 54 out of 75 as a percentage.

Dwayne got 45% of the total marks in a history test.

Dwayne got 63 marks.

b) Work out the total number of marks for the history test.

a) 
$$54 \div 3 = 18 \times 4 = 72 = 72\%$$
  
75 ÷ 3 25 × 4 100

b) 
$$x = \frac{63}{45}$$
  $\frac{45}{45}$   $x = \frac{120}{45}$   $x = \frac{7}{45}$   $x = \frac{140}{45}$   $x = \frac{140}{45}$   $x = \frac{140}{45}$   $x = \frac{140}{45}$ 

Q8: Jack bought a computer for \$875 and later sold it for \$735 Work out his percentage loss.

Q9: In a sale, normal prices are reduced by 35%. The sale price of a clock is £78 Work out the normal price of the clock.

Q10: Linton's salary is £28 000 His salary is increased by 4.5%. Work out Linton's new salary.

Q11: Before dieting, Kate's weight was 75 kg.
After dieting, her weight was 66 kg.
Work out Kate's percentage weight loss.

Q12: David and Gwen bought a house.

After one year, its value had increased by 9% to £196 200

Work out the value of the house when they bought it.