Assignment

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Assignment: Individual Assignment (30 Marks)

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Express the ratio 12:16 in its simplest form

12:16 = 3:4

Divide $120 in the ratio 2:3

$48 and $72

The ratio of cats to dogs in a pet shop is 4:7. If there are 28 dogs, how many cats are there?

There are 16 cats

If a person earns $240 for working 8 hours, what is the rate of pay per hour?

$30 per hour

Are the ratios 6:9 and 8:12 proportional?

Yes, both are equal to 2:3

If 3 shirts cost $45, how much would 5 shirts cost at the same rate?

$75

If 5 pens cost $10, how much do 12 pens cost?

$24

A class has 18 boys and 12 girls. What is the ratio of boys to the total number of students?

3:5

Find 25% of 480

120

A jacket is sold for $150 after a 20% discount. What was the original price?

$187.50

A salesperson earns a 5% commission on sales. If they sell goods worth $2,000, how much commission do they earn?

$100

If 60% of a number is 180, what is the original number?

300

Find the simple interest on $1,200 at a rate of 5% per annum for 3 years.

$180

A sum of $2,000 is invested at 10% per annum for 3 years compounded annually. Find the total amount.

$2662

A loan of $2,000 is given for 2 years at a rate of 6% per annum. What is the total amount to be repaid at the end of the period?

$2240