A**ssignment Answers.**

1. Express the ratio 12:16 in its simplest form.?

* 3:4

1. Divide $120 into the ratio 2:3?

* A-48$
* B.72$

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

* 16 Cats

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

* 30$

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

* Is proportional

1. if 3 shirts cost $45, how much would 5 shirts cost at the same rate?

* The cost of 5 shirts is $75.

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

* The cost of 12 pens is $24.

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

* The ratio is 3:5

1. Find 25% of 480.

* 25% of 480 is 120.

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

* The original price was $187.50.

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

* the salesperson earns $100 commission.

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

* The original number was $300.

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

* The simple interest is $180.

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

* The total amount after 3 years will be $2,662.

1. 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?

* the total amount to be repaid at the end of the period is $2,240.