



ALPHA UNIVERSITY BORAMA

Assignment of math's methods

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The assignment

Individual assignment the assignment 30 marks

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Express the ratio 12:16 in its simplest form.

answer : 3: 4

$\frac{3}{4}$

2:Divide \$120 in the ratio 2:3

answer total $2+3 = 5$

$120 \div 5 = 24$

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

4:7. This means that for every 4 dogs, there are 7 cats.

$4 \text{ dog} / 7 \text{ cat} = 28 / x$

$4x = 28 \times 7$

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

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

answere:

The given numbers are

wrtten

as

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

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

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

9: Find 25% of 480.

$$0.25 \times 480$$

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

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

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

15: 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?

year

$$1: 6\% \times 2000 = 1200 \times 1 = 1200$$

$$2: 6\% \times 2000 = 1200 \times 2 = 1400 \text{ the}$$