

Name: Mohamed abokor mouse. Faculty. Social science/ project management ID: 461

The assignment Individual assignment

the assignment 30 marks

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A answers of the individual assignment

1. Simplify the ratio 12:16

Divide both terms by their greatest common divisor, 4:

Answer: 3:4

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

Total parts = $2 + 3 = 5$

Each part =

Amounts: ,

Answer: \$48 and \$72

3. Cats and dogs ratio (4:7), 28 dogs

Each part =

Cats =

Answer: 16 cats

4. Rate of pay per hour

Answer: \$30/hour

5. Check if 6:9 and 8:12 are proportional

Simplify both:

Answer: Yes, they are proportional

6. Cost of 5 shirts if 3 shirts cost \$45

Cost per shirt =

Cost of 5 shirts =

Answer: \$75

7. Cost of 12 pens if 5 pens cost \$10

Cost per pen =

Cost of 12 pens =

Answer: \$24

8. Ratio of boys to total students

Total students =

Ratio =

Answer: 3:5

9. Find 25% of 480

Answer: 120

10. Original price of a jacket after 20% discount, sold for \$150

Let original price = :

Answer: \$187.50

11. Sales commission (5% of \$2,000)

Answer: \$100

12. Find the original number if 60% is 180

Let the number = :

Answer: 300

13. Simple interest on \$1,200 at 5% for 3 years

Answer: \$180

14. Compound interest: \$2,000 at 10% for 3 years

Total amount = :

Answer: \$2,662

15. Loan repayment: \$2,000 at 6% for 2 years

Total amount = , where :

Total =

Answer: \$2,240