Assignment Answers

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Assignment Marks: 30

Submission Date: 05-05-2025

1. Express the ratio 12:16 in its simplest form  
Answer: 3:4

2. Divide $120 in the ratio 2:3  
Answer: $48 and $72

3. The ratio of cats to dogs is 4:7, and there are 28 dogs. How many cats?  
Answer: 16 cats

4. If a worker is paid $240 for 8 hours of work, what is the rate per hour?  
Answer: $30 per hour

5. Are the ratios 6:9 and 8:12 proportional?  
Answer: Yes, they are proportional

6. If 3 shirts cost $45, what will 5 shirts cost?  
Answer: $75

7. If 5 pens cost $10, how much do 12 pens cost?  
Answer: $24

8. A class has 18 boys and 12 girls. What is the ratio of boys to the total number of students?  
Answer: 3:5

9. Find 25% of 480  
Answer: 120

10. A jacket was sold for $150 after a 20% discount. What was the original price?  
Answer: $187.50

11. A salesman earns a 5% commission on a sale of $2,000. How much does he earn?  
Answer: $100

12. 60% of a number is 180. What is the number?  
Answer: 300

13. Calculate the Simple Interest on a principal of $1,200 at a rate of 5% for 3 years.  
Answer: $180

14. Calculate the Compound Interest on a principal of $2,000 at a rate of 10% for 3 years.  
Answer: $2662

15. A person borrows $2,000 at a rate of 6% per annum for 2 years. Find the total amount to be paid (Simple Interest).  
Answer: $2240