

Math Assignment Answers

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

12:16 = 3:4

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

\$48 and \$72

3. Cats to dogs is 4:7. If 28 dogs, how many cats?

16 cats

4. \$240 for 8 hours — rate per hour:

\$30 per hour

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

Yes, both are 2:3

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

\$75

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

\$24

8. 18 boys, 12 girls. Ratio of boys to total:

3:5

9. Find 25% of 480:

120

10. Jacket sold for \$150 after 20% discount. Original price:

\$187.50

11. 5% commission on \$2,000 sales:

\$100

12. 60% of a number is 180. Original number:

300

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

\$180

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

\$2,662

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

\$2,240