Alpha University

ASSIGNMENT HRM

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Answers :

(1) . Express the ratio 12:16 it's simplest

From

Simplest from

12÷4=3

16÷4=4

Answer ;3:4

(2) Divide £ 120 in the ratio 2:3

Total parts;2+3=5

& 120÷5=&24

So

2 parts 2×24=&48

3 parts 3×24=&72

Answer & 48and & 72

(3)ratio cats to dogs 4:7,dogs=28

Let's cats =×

X/28=4/7•cross-multiply

7×=112.×=16

Answer ;16cats

(4)& 240 for 8 hours _ bey per hour =&240÷8=&30

Answer &30 per hours

(5).are 6:9 and 8:12 propositional

6:9=2:3

8:12=2:3

Answer: yes they are proportional

(6) . 3 shirts = \$45 ? 1 shirt = \$15 ? 5 shirts = 5 × 15 = \$75

Answer: \$75

(7.) 5 pens = \$10 ? 1 pen = \$2 ? 12 pens = 12 × 2 = \$24

Answer: \$24

(8). Boys = 18, Girls = 12 ? Total = 30

Ratio of boys to total = 18:30 = 3:5

(9.) Find 25% of 480 ? (25 ÷ 100) × 480 = 120

Answer: 120

(10). 20% discount ? Price paid = \$150

Let original price = x

x - 20%x = 150

x × 0.8 = 150 ? x = 150 ÷ 0.8 = \$187.50

Answer: \$187.50

(11). 5% of \$2,000 = (5 ÷ 100) × 2000 = \$100

Answer: \$100 commission

(12). 60% of number = 180 ? 0.6x = 180 ? x = 180 ÷ 0.6 = 300

Answer: 300

(13). Simple Interest (SI) = P × R × T ÷ 100

= 1200 × 5 × 3 ÷ 100 = 180

Total = 1200 + 180 = $1380

(14). Compound Interest (CI)

CI = P × (1 + R/100)^T

= 2000 × (1 + 10/100)^3

= 2000 × (1.1)^3 ? 2000 × 1.331 = $2662 (approx.)

Interest = 2662 - 2000 = $662

Answer: $2662 total

(15). Loan = $2000, 6% for 2 years

Simple interest:

= 2000 × 6 × 2 ÷ 100 = $240

Total repayment = 2000 + 240 = $2240