

Name: Mohamed Ali Yasiin

ID: 792

Faculty: Social Work

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Assignment

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

Total parts = $2 + 3 = 5$

First part: $25 \times 120 = 48$ $52 \times 120 = 48$

Second part: $35 \times 120 = 72$ $53 \times 120 = 72$

48 and 72 48 and 72?

3

4. Rate of pay per hour

$2408 = \$30$ per hour $8240 ? = \$30$ per hour?

5

6

7

8

9. 25% of 480

$$\frac{25}{100} \times 480 = 120 \quad \frac{25}{100} \times 480 = 120?$$

10

11. 5% commission on \$2,000

$$\frac{5}{100} \times 2000 = 100 \quad \frac{5}{100} \times 2000 = 100?$$

12

13. Simple interest = ?

$$SI = \frac{P \times R \times T}{100} = \frac{1200 \times 5 \times 3}{100} = 180 \quad SI = \frac{P \times R \times T}{100} = \frac{1200 \times 5 \times 3}{100} = 180?$$

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

$$A = P(1 + \frac{r}{100})^t = 2000(1 + 0.10)^3 = 2000 \times 1.331 = 2662 \quad A = P(1 + \frac{r}{100})^t = 2000(1 + 0.10)^3 = 2000 \times 1.331 = 2662$$

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