

## PERCENTAGE

Form 1 Regular Course  
Vol 3

### Part 1 - Basic Percentage

1. D

$$\text{The required percentage} = \frac{4}{10} \times 100\% = 40\%$$

2. B

$$\text{The required percentage} = \frac{40}{200} \times 100\% = 20\%$$

3. D

$$\text{The age of student } A = 36 \times 25\% + 4 = 13$$

4. C

$$\text{The required amount} = 800(1 - 40\%) = 464 \text{ mL}$$

5. D

$$x + 20\%x = 84$$

$$x = 70$$

Therefore, A has 70 toys

6. C

Number of pupils get more than 70 marks

$$= 100 \times (1 - 20\%) \times 30\% = 24$$

7. B

$$\text{The original amount of money} = 2800 \div 70\% = \$4000$$

$$\text{The amount of money left} = 4000 - 2800 = \$1200$$

8. C

$$\text{Total number of students} = \frac{12}{1-95\%} = 240$$

$$\text{number of students who passed the test} = 240 \times 95\% = 228$$

9. C

$$(70\%)x - 30 = (x - 30) \times (1 - 40\%)$$

$$0.7x - 30 = 0.6x - 18$$

$$x = 120$$

10. D

$$\text{The amount of the sum of money} = \frac{2100}{1-45\%-25\%} = \$7000$$

11. D

$$\text{Percentage of the total sum left} = 1 - 40\% - (1 - 40\%) \times 40\% = 36\%$$

12. C

$$\text{Total number of students} = \frac{168}{(1-65\%)(1-60\%)} = 1200$$

$$\text{Number of boys wearing glasses} = 1200(65\%)(30\%) = 234$$

13. B

Number of sweet that child C gets

$$= 80 - 80(25\%) - 80(1-25\%)(30\%)$$

$$= 42$$

14. B

Let  $n$  be the total number of students.

Percentage

$$= \frac{(0.6n)(0.45) + (0.4n)(0.15)}{n} \times 100\%$$

$$= 33\%$$

15. C

Let  $n$  be the total number of employees.

$$(0.375n)(0.8) + (0.625n)(x\%) = 0.675n$$

$$(0.625n)(x\%) = 0.375n$$

$$x\% = 0.6$$

$$x = 60$$