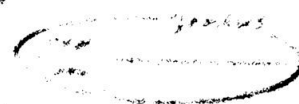


(10)

From Number Solving  
Val  
Equivalent  
Percentage

Handwritten



(1) Fill in the blank.

a) The symbol of percentage is %

b) The 'cent' means 100

c)  $\frac{12}{100}$  is same as 12%.

d) 0.34 in percent form can be written as  $\frac{34}{100}$  or 34%.

e)  $\frac{12}{25} = \frac{12 \times 4}{25 \times 4} = \frac{48}{100} = 48\%$

$\frac{12 \times 4}{25 \times 4} = \frac{48}{100} = 48\%$

(2) a

a)  $\frac{3}{5} = \frac{3 \times 20}{5 \times 20} = \frac{60}{100} = 60\%$

b)  $1.073 = \frac{1.073 \times 100}{100} = \frac{107.3}{100} = 107.3\%$

(3)

a) 12% of 25 =  $\frac{12}{100} \times 25 = \frac{12 \times 25}{100} = \frac{300}{100} = 3$

b) ~~47 cm of 2 cm~~

$$47 \text{ cm of } 2 \text{ m} = 47 \text{ cm of } 200 \text{ cm}$$

$$= \frac{47}{200} = \frac{47 \div 2}{200 \div 2} = \frac{23.5}{100} = 23.5\%$$

Rough

$$\begin{array}{r} 23.5 \\ 2 \overline{) 470} \\ \underline{- 4} \\ 07 \\ \underline{- 6} \\ 10 \end{array}$$

④

a) The total pages of mathematics = 213

The number of finished pages = 114

So 114 pages are finished out of

$$213 \text{ pages} = \frac{114}{213} = \frac{38}{71} = 38 \frac{71}{71}$$

$$= \frac{38 \times 100}{71 \times 100} = \frac{3800}{71 \times 100} = 53.521\%$$

53.521%

$$\begin{array}{r} 380 \\ 3 \overline{) 114} \\ \underline{- 9} \\ 24 \end{array}$$

$$\begin{array}{r} 53.521 \\ 71 \overline{) 38000} \\ \underline{- 21} \\ 63 \\ \underline{- 3} \\ 53521 \end{array}$$

∴ Hence 53.521% of pages are completed.

$$\begin{array}{r} 250 \\ 63 \\ \underline{- 3} \\ 53521 \\ \underline{- 213} \\ 71 \\ \underline{\times 5} \\ 355 \\ \underline{71} \\ 385 \\ \underline{\times 3} \\ 1155 \\ \underline{213} \\ 80 \\ \underline{71} \\ 142 \\ \underline{\times 2} \\ 142 \\ 9 \end{array}$$

Akshay Kumar Salpathy  
V.C  
Roll no. 08



(3)  
b)

The pocket money of Aditi = ₹ 950

Aditi saves of 33% of her pocket money.

$$\begin{aligned} \text{Aditi Saves} &= 33\% \text{ of } ₹ 950 \\ &= \frac{33}{100} \times \frac{950}{2} = \frac{627}{2} \\ &= 313.5 = ₹ 313.5 \end{aligned}$$

∴ hence Aditi saves ₹ 313.5