Worksheet 11 — Percentage

(1) Fill in the blank

a) The symbol of percentage is %

b) The 'cent' means 100

c) $\frac{62}{100}$ is same as 62%.

d) 0.34 in percent form can be written as 34%.

e) $\frac{18}{25} = \frac{18 \times 4}{25 \times 4} = \frac{72}{100} = 72\%$

(2) x

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) $12.5\% \text{ of } 25 = \frac{12.5}{25} = \frac{12.5 \times 4}{25 \times 4} = \frac{50}{100} = 50\%$

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b) ~~47 cm of 2 cm~~

47 cm of 2 m = 47 cm of 200 cm

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

(4)

a) The total pages of mathematics = 213
The number of finished pages = 114

So 114 pages are finished out of 213 pages $= \frac{114}{213} = \frac{\cancel{114}^{38}}{\cancel{213}_{71}} = \frac{38}{71}$

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

53.521%

∴ Hence 53.521% of pages are completed.

Rough

23.5
2) 470
-4
07
-6
10
-10
380
3) 114
-9
24
-24
53.52
71) 38000
-355
250
-213
370
355
150
142
80
71
9

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(3)
b)

The pocket money of Aditi = ₹ 950
Aditi saves of 33% of her pocket money.
Aditi saves = 33% of ₹ 950

$$= \frac{33}{100} \times 950^{19} = \frac{627}{2}$$

$$= 313.5 = ₹\ 313.5$$

∴ hence Aditi saves ₹ 313.5

Teacher's Signature.....