ODM EDUCATIONAL GROUP
Changing your Tomorrow

Word Problems

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 03
CHAPTER NAME : FRACTIONS

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Learning outcomes

Students will be able to use addition/ subtraction, multiplication /division to solve word problems.

Question-17:-

I spent $\frac{3}{5}$ of my savings and still have Rs. 2,000 left. What were my savings ?

Answer-17:-

Lett my saving = 1, Part spent = 3/5 of savings

∴ Part left = $1-\frac{3}{5}$ = (5-3)/5 = 2/5 of savings

But he left = Rs. 2000

∴ 2/5 of savings = Rs. 2000

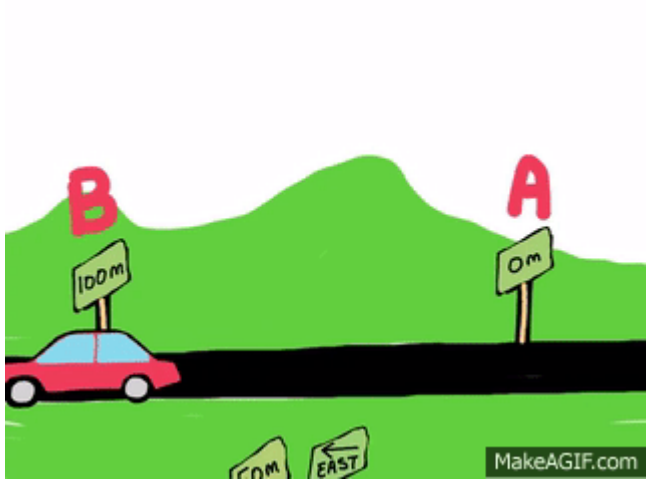
∴ Total savings = Rs. 2000×5/2

= Rs. 5000

Question-20:-

After going $\frac{3}{4}$ of my journey, I find that I have covered 16 km. How much Journey is still left ?

Answer-20:-



3/4 of journey = 16 km.

∴ Total journey = **16 km× C = 64/3 km**

∴ Journey left = **64/3 – 16/1**

= **(64-48)/3**

=**16/3 Km**

= **5 ⅓**

Question-22:-

From a piece of land, one-third is bought by Rajesh and one-third of remaining is bought by Manoj. If 600 m² land is still left unsold, find the total area of the piece of land.

Answer-22:-

Let the piece by Rajesh = $1 \times \frac{1}{3} = \frac{1}{3}$ m

Land bought by Rajesh = $1 \times \frac{1}{3} = \frac{1}{3}$ m

Remaining land = $1 - \frac{1}{3} = 3 - \frac{1}{3} = \frac{2}{3}$ m

Now, land bought by Manoj = $\frac{2}{3} \times \frac{1}{3} = 2/9$ m

Land unsold = $\frac{2}{3} - \frac{2}{9}$

= (6-29)/9 = 4/9 m

Land of 4/9 m remain unsold = 600 m²

∴ Total area of the land = $600 \times \frac{9}{4}$

= 150 × 9 m² = 1350 m²

Question-23:-

A boy spent 3/5 of his money on buying 1 cloth and 1/4 of the remaining on buying shoes. If initially he has ?2,400; how much did he spend on shoes?

Answer-23:-

Money in hand = ▫ **2400**

Money spent on buying clothes

▫= $\frac{3}{5}$ of ▫2400

▫= $\frac{3}{5}$ × 2400=3×480=▫1440

Remaining money = ▫ **2400 − ▫ 1440 = ▫ 960**

Now, boy spent 1/4 of the remaining money on buying shoes.

∴ Money spent on buying shoes

=▫960× $\frac{1}{4}$ =▫240

H.W
Exercise 3E
Q.1 t0 25

THANKING YOU

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