

Date ____/____/____

Q1 Sol -

Let the paper strip = 1
 Sunny cuts paper strip = $\frac{3}{8}$
 The portion of the strip is
 left = $1 - \frac{3}{8}$

$$= \frac{1}{1} - \frac{3}{8}$$

$$= \frac{1 \times 8 - 3 \times 1}{8}$$

$$= \frac{8 - 3}{8} = \frac{5}{8} \text{ Ans.}$$

Q2 Sol -

The portion of cake ate out
 of the whole (1) = $\frac{5}{12} + \frac{5}{12}$

$$= \frac{5+5}{12} = \frac{10}{12}$$

$$= \frac{5}{6}$$

The portion of the cake was
 left = $1 - \frac{5}{6}$

$$= \frac{1}{1} - \frac{5}{6}$$

$$= \frac{1 \times 6 - 5 \times 1}{6}$$

$$= \frac{6 - 5}{6}$$

$$= \frac{1}{6} \text{ Ans.}$$

Q3 Sol -

$$\text{Money spent} = ₹ 72\frac{1}{2} = ₹ \frac{145}{2}$$

$$\text{Money left} = ₹ 7\frac{3}{4} = ₹ \frac{31}{4}$$

$$\text{Total money} = ₹ \frac{145}{2} + ₹ \frac{31}{4}$$

$$= \frac{145 \times 2 + 31 \times 1}{4}$$

$$= \frac{290 + 31}{4} = \frac{321}{4}$$

$$= ₹ 80\frac{1}{4} \text{ Ans.}$$

Q4 Sol -

$$\text{Raman bought flour} = 6\frac{1}{2} \text{ Kg}$$

$$= \frac{13}{2} \text{ Kg}$$

$$\text{Radha bought flour} = \frac{15}{4} \text{ Kg}$$

$$\text{Total flour purchased} = \frac{13}{2} + \frac{15}{4}$$

$$= \frac{13 \times 2 + 15 \times 1}{4}$$

$$= \frac{26 + 15}{4}$$

$$= \frac{41}{4} = 10\frac{1}{4} \text{ Kg}$$

(b) First we will change into like fractions.

$$\frac{13}{2}, \frac{15}{4}$$

$$\text{After changing} = \frac{26}{4}, \frac{15}{4}$$

$$= \frac{26 - 15}{4} = \frac{11}{4} = 2\frac{3}{4}$$

So, Raman bought more flour by $2\frac{3}{4} \text{ Kg}$.

Date ____/____/____

Q5(a) Sol -

$$\text{Thread in a reel} = 20\frac{3}{4} \text{ m}$$

$$= \frac{83}{4} \text{ m}$$

$$\text{Thread used by Ali} = 8\frac{1}{2} \text{ m} = \frac{17}{2} \text{ m}$$

$$\text{Thread left} = \frac{83}{4} \text{ m} - \frac{17}{2} \text{ m}$$

$$= \frac{83 \times 1 - 17 \times 2}{4}$$

$$= \frac{83 - 34}{4} = \frac{49}{4} = 12\frac{1}{4} \text{ m Ans.}$$

(b) Sol -

$$\text{Thread left} = 12\frac{1}{4} \text{ m} = \frac{49}{4} \text{ m}$$

Thread used again

$$\text{by Ali} = 7\frac{3}{8} \text{ m} = \frac{59}{8} \text{ m}$$

$$\text{Thread left} = \frac{49}{4} - \frac{59}{8}$$

$$= \frac{49 \times 2 - 59 \times 1}{8}$$

$$= \frac{98 - 59}{8}$$

$$= \frac{39}{8}$$

$$= 4\frac{7}{8} \text{ m Ans.}$$

Q6 @ Sol -

A family buys cloth for Ist dress
 $= 3\frac{2}{5} \text{ m}$

$$= \frac{17}{5} \text{ m.}$$

For IInd dress $= 3\frac{1}{3} \text{ m} = \frac{10}{3} \text{ m.}$

For IIIrd dress $= 2\frac{5}{8} \text{ m} = \frac{21}{8} \text{ m.}$

Total cloth bought by family

$$= \frac{17}{5} + \frac{10}{3} + \frac{21}{8}$$

$$= \frac{17 \times 24 + 10 \times 40 + 21 \times 15}{120}$$

$$= \frac{408 + 400 + 315}{120}$$

$$= \frac{1123}{120} = 9\frac{43}{120} \text{ m. Ans.}$$

⑤ Sol -

Length of roll of cloth = 20 m.

cloth bought by a family = $\frac{1123}{120} \text{ m.}$

length of cloth was left in
the roll = $20 - \frac{1123}{120}$

$$= \frac{20}{1} - \frac{1123}{120}$$

$$= \frac{20 \times 120 - 1123 \times 1}{120}$$

$$= \frac{2400 - 1123}{120} = \frac{1277}{120} = 10\frac{77}{120} \text{ m. Ans.}$$

Q7 @ Sol -

MRS. Seth filled petrol in her car on Monday = 10 litres.
Car used petrol on Monday = $3\frac{1}{3}$ litres
= $\frac{10}{3}$ l.

Car used petrol on Tuesday = $4\frac{1}{2}$ l
= $\frac{9}{2}$ l.

Car used petrol on these two days = $\frac{10}{3} + \frac{9}{2}$
= $\frac{10 \times 2 + 9 \times 3}{6}$
= $\frac{20 + 27}{6}$
= $\frac{47}{6} = 7\frac{5}{6}$ l Ans.

(b) Sol -

Petrol in the car = 10 l.

Petrol used by car = $\frac{47}{6}$ l

Petrol left at the end of Tuesday = $10 - \frac{47}{6}$

$$= \frac{10}{1} - \frac{47}{6}$$

$$= \frac{10 \times 6 - 47 \times 1}{6}$$

$$= \frac{60 - 47}{6} = \frac{13}{6} = 2\frac{1}{6} \text{ l Ans.}$$