

SCHOOL ALCOLADES  
Std-5 (2<sup>nd</sup> week)  
Elementary Mathematics  
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Ex-4: Write the reciprocal:

1)  $\frac{5}{7}$

Reciprocal fraction of  $\frac{5}{7}$  is  $\frac{7}{5}$ .

2)  $\frac{4}{9}$  Reciprocal fraction of  $\frac{4}{9}$  is  $\frac{9}{4}$ .

3) Reciprocal fraction of  $\frac{1}{3}$  is 3.

4)  $\frac{1}{8}$ , Reciprocal fraction of  $\frac{1}{8}$  is 8.

Reciprocal

$$\frac{0}{\Delta} \times \frac{\Delta}{0}$$

Ex-5: Write the reciprocal:

1) 3; Reciprocal number of 3 is  $\frac{1}{3}$ .

2) 8; Reciprocal number of 8 is  $\frac{1}{8}$ .

3) 5; Reciprocal number of 5 is  $\frac{1}{5}$ .

4) 11; Reciprocal number of 11 is  $\frac{1}{11}$ .

[Area of a rectangle = length  $\times$  width]

Ex-6: Here, length =  $1\frac{3}{4}$  m  
width =  $1\frac{1}{5}$  m

We know, for a rectangle,

area = length  $\times$  width

=  $1\frac{3}{4}$  m  $\times$   $1\frac{1}{5}$  m

=  $\frac{7}{4}$  m  $\times$   $\frac{6}{5}$  m =  $\frac{7}{4} \times \frac{6}{5} \text{ m}^2 = \frac{21}{10} \text{ m}^2$

=  $2\frac{1}{10} \text{ m}^2$

$$\begin{array}{r} 2 \\ 10 \overline{) 21} \\ \underline{-20} \\ 1 \end{array}$$

Ans:  $2\frac{1}{10} \text{ m}^2$

Ex-7: Length of 1 side of a square =  $2\frac{1}{2}$  Km.

We know for a square,

area = length of 1 side  $\times$  length of 1 side.

=  $2\frac{1}{2}$  Km  $\times$   $2\frac{1}{2}$  Km

=  $\frac{5}{2}$  Km  $\times$   $\frac{5}{2}$  Km

=  $\frac{5}{2} \times \frac{5}{2} \text{ Km}^2 = \frac{25}{4} \text{ Km}^2$

=  $6\frac{1}{4} \text{ Km}^2$  Ans:  $6\frac{1}{4} \text{ Km}^2$

$$\begin{array}{r} 6 \\ 4 \overline{) 25} \\ \underline{-24} \\ 1 \end{array}$$

Ex-1: Page-57, 59

2 dl of paint covers a  $\frac{18}{5} \text{ m}^2$  wall.

$\therefore$  1 dl of paint covers  $\frac{18}{5} \div 2 \text{ m}^2$  wall

Ans:  $\frac{9}{5} \text{ m}^2$  wall.

$$= \frac{18}{5} \times \frac{1}{2} \text{ m}^2 \text{ wall} = \frac{9}{5} \text{ m}^2 \text{ wall.}$$

Ex-2:  $\frac{1}{3}$  dl of paint covers a  $\frac{3}{5} \text{ m}^2$  wall

$\therefore$  1 dl of paint covers  $\frac{3}{5} \div \frac{1}{3} \text{ m}^2$  wall

Ans:  $\frac{9}{5} \text{ m}^2$  wall.

$$= \frac{3}{5} \times \frac{3}{1} \text{ m}^2 \text{ wall} = \frac{9}{5} \text{ m}^2 \text{ wall}$$

Ex-3:  $\frac{2}{3}$  dl of paint cover  $\frac{3}{5} \text{ m}^2$  wall.

$\therefore$  1 dl of paint covers  $(\frac{3}{5} \div \frac{2}{3}) \text{ m}^2$  wall.

Ans:  $\frac{9}{10} \text{ m}^2$  wall.

$$= \frac{3}{5} \times \frac{3}{2} \text{ m}^2 \text{ wall}$$

$$= \frac{9}{10} \text{ m}^2 \text{ wall.}$$

Ex-10 Calculate:

1)  $\frac{3}{4} \div \frac{2}{7}$

$$= \frac{3}{4} \times \frac{7}{2}$$

$$= \frac{21}{8} \quad \begin{array}{r} 2 \\ 8 \overline{) 21} \\ \underline{-16} \\ 5 \end{array}$$

$$= 2\frac{5}{8} \text{ Ans: } 2\frac{5}{8}$$

2)  $\frac{1}{7} \div \frac{2}{5}$

$$= \frac{1}{7} \times \frac{5}{2}$$

$$= \frac{5}{14}$$

$$\text{Ans: } \frac{5}{14}$$

3)  $\frac{4}{9} \div \frac{1}{4}$

$$= \frac{4}{9} \times \frac{4}{1}$$

$$= \frac{16}{9}$$

$$= 1\frac{7}{9}$$

$$\text{Ans: } 1\frac{7}{9}$$

4)  $\frac{3}{5} \div \frac{2}{9}$

$$= \frac{3}{5} \times \frac{9}{2}$$

$$= \frac{27}{10}$$

$$= 2\frac{7}{10}$$

$$\text{Ans: } 2\frac{7}{10}$$

5)  $\frac{3}{2} \div \frac{1}{3}$

$$= \frac{3}{2} \times \frac{3}{1}$$

$$= \frac{9}{2}$$

$$= 4\frac{1}{2}$$

$$\text{Ans: } 4\frac{1}{2}$$

6)  $\frac{2}{3} \div \frac{4}{9}$

$$= \frac{2}{3} \times \frac{9}{4}$$

$$= \frac{1}{2}$$

$$\text{Ans: } \frac{1}{2}$$

7)  $\frac{8}{5} \div \frac{1}{2}$

$$= \frac{8}{5} \times \frac{2}{1}$$

$$= \frac{16}{5}$$

$$= 3\frac{1}{5}$$

$$\text{Ans: } 3\frac{1}{5}$$

8)  $\frac{9}{5} \div \frac{5}{6}$

$$= \frac{9}{5} \times \frac{6}{5}$$

$$= \frac{54}{25}$$

$$= 2\frac{4}{25}$$

$$\text{Ans: } 2\frac{4}{25}$$

$$\begin{aligned} 9) \frac{1}{2} \div \frac{3}{4} \\ = \frac{1}{2} \times \frac{4}{3} \\ = \frac{4}{6} \\ = \frac{2}{3} \\ \text{Ans: } \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 10) \frac{2}{3} \div \frac{5}{7} \\ = \frac{2}{3} \times \frac{7}{5} \\ = \frac{14}{15} \\ = \frac{4}{5} \\ \text{Ans: } \frac{4}{5} \end{aligned}$$

$$\begin{aligned} 11) \frac{6}{7} \div \frac{4}{9} \\ = \frac{6}{7} \times \frac{9}{4} \\ = \frac{27}{14} \\ = 1\frac{13}{14} \\ \text{Ans: } 1\frac{13}{14} \end{aligned}$$

$$\begin{aligned} 12) \frac{7}{9} \div \frac{2}{27} \\ = \frac{7}{9} \times \frac{27}{2} \\ = \frac{21}{2} \\ = 10\frac{1}{2} \\ \text{Ans: } 10\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 13) \frac{2}{3} \div \frac{9}{8} \\ = \frac{2}{3} \times \frac{8}{9} \\ = \frac{16}{27} \\ \text{Ans: } \frac{16}{27} \end{aligned}$$

$$\begin{aligned} 14) \frac{2}{5} \div \frac{8}{15} \\ = \frac{2}{5} \times \frac{15}{8} \\ = \frac{3}{4} \\ \text{Ans: } \frac{3}{4} \end{aligned}$$

$$\begin{aligned} 15) \frac{2}{3} \div \frac{4}{9} \\ = \frac{2}{3} \times \frac{9}{4} \\ = \frac{3}{2} \\ \text{Ans: } \frac{3}{2} \end{aligned}$$

$$\begin{aligned} 16) \frac{7}{10} \div \frac{7}{12} \\ = \frac{7}{10} \times \frac{12}{7} \\ = \frac{6}{5} \\ = 1\frac{1}{5} \\ \text{Ans: } 1\frac{1}{5} \end{aligned}$$

Ex-2: Calculate:

$$\begin{aligned} 1) 7 \div \frac{5}{9} \\ = 7 \times \frac{9}{5} \\ = \frac{63}{5} \\ = 12\frac{3}{5} \\ \text{Ans: } 12\frac{3}{5} \end{aligned}$$

$$\begin{aligned} 2) 5 \div \frac{4}{7} \\ = 5 \times \frac{7}{4} \\ = \frac{35}{4} \\ = 8\frac{3}{4} \\ \text{Ans: } 8\frac{3}{4} \end{aligned}$$

$$\begin{aligned} 3) 3 \div \frac{6}{11} \\ = 3 \times \frac{11}{6} \\ = \frac{33}{6} = \frac{11}{2} \\ = 5\frac{1}{2} \\ \text{Ans: } 5\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 4) 10 \div \frac{15}{2} \\ = 10 \times \frac{2}{15} \\ = \frac{4}{3} = 1\frac{1}{3} \\ \text{Ans: } 1\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 5) 1\frac{5}{8} \div 2\frac{1}{3} \\ = \frac{13}{8} \div \frac{7}{3} \\ = \frac{13}{8} \times \frac{3}{7} \\ = \frac{39}{56} \\ \text{Ans: } \frac{39}{56} \end{aligned}$$

$$\begin{aligned} 6) 2\frac{1}{2} \div 2\frac{5}{6} \\ = \frac{5}{2} \div \frac{17}{6} \\ = \frac{5}{2} \times \frac{6}{17} \\ = \frac{15}{17} \\ \text{Ans: } \frac{15}{17} \end{aligned}$$

$$\begin{aligned} 7) 3\frac{2}{3} \div 1\frac{1}{6} \\ = \frac{11}{3} \div \frac{7}{6} \\ = \frac{11}{3} \times \frac{6}{7} \\ = \frac{22}{7} \\ = 3\frac{1}{7} \\ \text{Ans: } 3\frac{1}{7} \end{aligned}$$

$$\begin{aligned} 8) 11 \div 2\frac{1}{4} \\ = 11 \div \frac{9}{4} \\ = 11 \times \frac{4}{9} \\ = \frac{44}{9} \\ = 4\frac{8}{9} \\ \text{Ans: } 4\frac{8}{9} \end{aligned}$$

Ex-3: Calculate:

$$\begin{aligned} 1) \frac{2}{3} \times \frac{1}{8} \div \frac{7}{9} \\ = \frac{2}{3} \times \frac{1}{8} \times \frac{9}{7} \\ = \frac{2 \times 1 \times 9}{3 \times 8 \times 7} = \frac{3}{28} \\ \text{Ans: } \frac{3}{28} \end{aligned}$$

$$\begin{aligned} 2) \frac{3}{8} \div \frac{3}{5} \times \frac{4}{5} \\ = \frac{3}{8} \times \frac{5}{3} \times \frac{4}{5} \\ = \frac{3 \times 5 \times 4}{8 \times 3 \times 5} = \frac{1}{2} \\ \text{Ans: } \frac{1}{2} \end{aligned}$$



$$\begin{aligned}
 3) \quad & \frac{3}{7} \times 4 \div \frac{5}{3} \\
 & = \frac{3}{7} \times 4 \times \frac{3}{5} \\
 & = \frac{3}{7} \times \frac{4}{1} \times \frac{3}{5} \\
 & = \frac{3 \times 4 \times 3}{7 \times 1 \times 5} = \frac{36}{7} = 2\frac{6}{7} \text{ Ans: } 2\frac{6}{7}
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & \frac{2}{9} \div \frac{4}{7} \div \frac{5}{6} \\
 & = \frac{2}{9} \times \frac{7}{4} \div \frac{5}{6} \\
 & = \frac{2}{9} \times \frac{7}{4} \times \frac{6}{5} \\
 & = \frac{2 \times 7 \times 6}{9 \times 4 \times 5} = \frac{14}{15} \text{ Ans: } \frac{14}{15}
 \end{aligned}$$

Ex-40 1) The rest of the property after Mr. Habib kept =  $1 - \frac{1}{4}$  portion  
 $= \frac{4-1}{4}$  portion

2) Each child get =  $\frac{3}{4} \div 2 = \frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$  portion

3)  $\frac{1}{4}$  portion of property is TK 200000.

$\therefore \frac{1}{8}$  portion of property is TK  $(200000 \div \frac{1}{4})$

$\therefore \frac{3}{8}$  portion of property is TK  $(200000 \div \frac{1}{4} \times \frac{3}{8})$   
 $= \frac{200000}{1} \times \frac{4}{1} \times \frac{3}{8}$   
 $= \text{TK } 300000.$

Ex-40 Total of the pole in mud and in water =  $(\frac{1}{6} + \frac{1}{2})$  part.  
 $= (\frac{1}{6} + \frac{1 \times 3}{2 \times 3})$  part  
 $= (\frac{1}{6} + \frac{3}{6})$  part  
 $= \frac{1+3}{6}$  part =  $\frac{4}{6} = \frac{2}{3}$  part.  
 $\therefore$  the rest of part of the pole =  $(1 - \frac{2}{3})$  part  
 $= \frac{3-2}{3}$  part =  $\frac{1}{3}$  part

we have given that,

the part of the pole above water = 2 metre.

$\therefore \frac{1}{2}$  part = 2 metre

$\therefore 1$  part =  $2 \text{ metre} \div \frac{1}{2} = 2 \times \frac{2}{1} \text{ metre} = 4 \text{ metre}.$

That is, the length of the pole is 4 metre.

$\therefore$  The part of the pole in water =  $\frac{1}{3}$  of 4 metre

$= \frac{1}{3} \times 4 \text{ metre} = \frac{4}{3} \text{ metre}.$

... in water.

Ex-10 1) A metal pipe of 4 m weights  $1\frac{3}{5}$  kg.

$$\therefore \text{ " " " " 1 m weights } 1\frac{3}{5} \div 4 \text{ kg}$$

$$= \frac{8}{5} \div 4 \text{ kg} = \frac{8}{5} \times \frac{1}{4} \text{ kg} = \frac{2}{5} \text{ kg}$$

Ans:  $\frac{2}{5}$  kg.

2) Here,  $1\frac{3}{5}$  kg = 4m

$$\therefore 1 \text{ kg} = (4 \div 1\frac{3}{5}) \text{ m} = (4 \div \frac{8}{5}) \text{ m} = (4 \times \frac{5}{8}) \text{ m}$$

$$= \frac{5}{2} \text{ m}$$

Ans:  $\frac{5}{2}$  m

3) A metal pipe of  $\frac{5}{2}$  m weights 1 kg.

$\therefore$  A metal pipe of 4 m weights  $4 \div \frac{5}{2}$  kg

$$\text{Ans: } \frac{8}{5} \text{ kg.}$$

$$= (4 \times \frac{2}{5}) \text{ kg} = \frac{8}{5} \text{ kg}$$

### Exercise - 6(b)

Ex-10 Calculate:

1)  $\frac{2}{3} \times 4$

$$= \frac{2 \times 4}{3}$$

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

$$= 2\frac{2}{3}$$

Ans:  $2\frac{2}{3}$

2)  $\frac{3}{5} \times 3$

$$= \frac{3 \times 3}{5}$$

$$= \frac{9}{5}$$

$$= 1\frac{4}{5}$$

Ans:  $1\frac{4}{5}$

3)  $\frac{5}{6} \times 3$

$$= \frac{5 \times 3}{6}$$

$$= \frac{15}{6}$$

$$= 2\frac{3}{6}$$

Ans:  $2\frac{3}{6}$

4)  $\frac{1}{6} \times 9$

$$= \frac{1 \times 9}{6}$$

$$= \frac{9}{6}$$

$$= 1\frac{3}{2} = 1\frac{1}{2}$$

Ans:  $1\frac{1}{2}$

5)  $\frac{5}{7} \times \frac{2}{7}$

$$= \frac{5 \times 2}{7 \times 7}$$

$$= \frac{10}{49}$$

Ans:  $\frac{10}{49}$

6)  $\frac{3}{4} \times \frac{3}{8}$

$$= \frac{3}{4} \times \frac{3}{8}$$

$$= \frac{3 \times 3}{4 \times 8}$$

$$= \frac{9}{32}$$

Ans:  $\frac{9}{32}$

7)  $\frac{5}{6} \times \frac{3}{7}$

$$= \frac{5 \times 3}{6 \times 7}$$

$$= \frac{5 \times 1}{2 \times 7}$$

$$= \frac{5}{14}$$

Ans:  $\frac{5}{14}$

8)  $\frac{3}{8} \times \frac{7}{9}$

$$= \frac{3 \times 7}{8 \times 9}$$

$$= \frac{7}{8 \times 3}$$

$$= \frac{7}{24}$$

Ans:  $\frac{7}{24}$

9)  $\frac{5}{8} \times \frac{4}{5}$

$$= \frac{5 \times 4}{8 \times 5}$$

$$= \frac{1}{2}$$

Ans:  $\frac{1}{2}$

10)  $\frac{27}{12} \times \frac{8}{9}$

$$= \frac{27 \times 8}{12 \times 9}$$

$$= \frac{3 \times 2}{3}$$

$$= 2$$

Ans: 2

$$11) \frac{21}{25} \times \frac{15}{14}$$

$$= \frac{21 \times 15}{25 \times 14}$$

$$= \frac{3 \times 3 \times 5}{5 \times 2 \times 7}$$

$$= \frac{9}{10}$$

Ans:  $\frac{9}{10}$

$$12) \frac{15}{64} \times \frac{40}{21}$$

$$= \frac{15 \times 40}{64 \times 21}$$

$$= \frac{5 \times 3 \times 4 \times 10}{8 \times 8 \times 7 \times 3}$$

$$= \frac{5 \times 5}{8 \times 7} = \frac{25}{56}$$

Ans:  $\frac{25}{56}$

$$13) 2 \times \frac{3}{7}$$

$$= \frac{2 \times 3}{7}$$

$$= \frac{6}{7}$$

Ans:  $\frac{6}{7}$

$$14) 10 \times \frac{4}{5}$$

$$= \frac{10 \times 4}{5}$$

$$= 8$$

Ans: 8

$$15) 3\frac{1}{4} \times \frac{2}{13}$$

$$= \frac{13}{4} \times \frac{2}{13}$$

$$= \frac{13 \times 2}{4 \times 13}$$

$$= \frac{1}{2}$$

Ans:  $\frac{1}{2}$

$$16) 10 \times 2\frac{4}{5}$$

$$= 10 \times \frac{14}{5} = \frac{10 \times 14}{5} = 2 \times 14 = 28$$

Ans: 28

Ex-2: In 1 day, amount of rice needed =  $2\frac{1}{7}$  quintal

$\therefore$  In 7 days, amount of rice needed =  $2\frac{1}{7} \times 7$  quintal

$$= \frac{15}{7} \times 7 \text{ quintal}$$

$$= 15 \text{ quintal}$$

Ans: 15 quintal.

Ex-3: 1 m of metal pipe weights =  $3\frac{1}{4}$  Kg

$\therefore \frac{3}{5}$  m of metal pipe weights =  $3\frac{1}{4} \times \frac{3}{5}$  Kg

Ans:  $1\frac{19}{20}$  Kg

$$= \frac{13}{4} \times \frac{3}{5} \text{ Kg} = \frac{13 \times 3}{4 \times 5} \text{ Kg}$$

$$= \frac{39}{20} \text{ Kg} = 1\frac{19}{20} \text{ Kg}$$

$$20 \overline{) 39} \begin{array}{r} 1 \\ 20 \\ \hline 19 \end{array}$$

Ex-4: 1 L of paint covers  $\frac{8}{9} \text{ m}^2$ .

$\therefore \frac{5}{8}$  L of paints cover  $(\frac{8}{9} \times \frac{5}{8}) \text{ m}^2$

$$= \frac{8 \times 5}{9 \times 8} \text{ m}^2 = \frac{5}{9} \text{ m}^2$$

Ans:  $\frac{5}{9} \text{ m}^2$

Ex-5: Calculate:

$$1) \frac{6}{7} \div 2$$

$$= \frac{6}{7} \times \frac{1}{2}$$

$$= \frac{6 \times 1}{7 \times 2} = \frac{6}{14} = \frac{3}{7}$$

Ans:  $\frac{3}{7}$

$$2) \frac{3}{5} \div 3$$

$$= \frac{3}{5} \times \frac{1}{3}$$

$$= \frac{3 \times 1}{5 \times 3}$$

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

Ans:  $\frac{1}{5}$

$$3) \frac{5}{8} \div 4$$

$$= \frac{5}{8} \times \frac{1}{4}$$

$$= \frac{5 \times 1}{8 \times 4}$$

$$= \frac{5}{32}$$

Ans:  $\frac{5}{32}$

$$4) \frac{9}{8} \div 6$$

$$= \frac{9}{8} \times \frac{1}{6}$$

$$= \frac{3}{16}$$

Ans:  $\frac{3}{16}$

$$5) \frac{3}{5} \div \frac{2}{7}$$

$$= \frac{3}{5} \times \frac{7}{2}$$

$$= \frac{3 \times 7}{5 \times 2}$$

$$= \frac{21}{10} = 2\frac{1}{10}$$

Ans:  $2\frac{1}{10}$



$$6) \frac{2}{5} \div \frac{4}{9}$$

$$= \frac{2}{5} \times \frac{9}{4}$$

$$= \frac{2 \times 9}{5 \times 4}$$

$$= \frac{8}{51} \text{ Ans: } \frac{8}{51}$$

$$7) \frac{2}{3} \div \frac{5}{7}$$

$$= \frac{2}{3} \times \frac{7}{5}$$

$$= \frac{2 \times 7}{3 \times 5} = \frac{14}{15}$$

$$\text{Ans: } \frac{14}{15}$$

$$8) \frac{2}{5} \div \frac{8}{9}$$

$$= \frac{2}{5} \times \frac{9}{8}$$

$$= \frac{2 \times 9}{5 \times 8}$$

$$= \frac{9}{20}$$

$$\text{Ans: } \frac{9}{20}$$

$$9) \frac{2}{3} \div \frac{8}{9}$$

$$= \frac{2}{3} \times \frac{9}{8}$$

$$= \frac{2 \times 9}{3 \times 8}$$

$$= \frac{3}{4}$$

$$\text{Ans: } \frac{3}{4}$$

$$10) \frac{2}{5} \div \frac{8}{15}$$

$$= \frac{2}{5} \times \frac{15}{8}$$

$$= \frac{2 \times 15}{5 \times 8}$$

$$= \frac{3}{4}$$

$$\text{Ans: } \frac{3}{4}$$

$$11) \frac{2}{3} \div \frac{4}{9}$$

$$= \frac{2}{3} \times \frac{9}{4}$$

$$= \frac{2 \times 9}{3 \times 4}$$

$$= \frac{3}{2}$$

$$\text{Ans: } \frac{3}{2}$$

$$12) \frac{5}{7} \div \frac{15}{28}$$

$$= \frac{5}{7} \times \frac{28}{15}$$

$$= \frac{5 \times 28}{7 \times 15}$$

$$= \frac{4}{3}$$

$$\text{Ans: } \frac{4}{3}$$

$$13) 7 \div \frac{5}{9}$$

$$= 7 \times \frac{9}{5}$$

$$= \frac{7 \times 9}{5}$$

$$= 12 \frac{3}{5}$$

$$\text{Ans: } 12 \frac{3}{5}$$

$$14) 8 \div \frac{6}{7}$$

$$= 8 \times \frac{7}{6}$$

$$= \frac{8 \times 7}{6}$$

$$= \frac{28}{3} = 9 \frac{1}{3}$$

$$\text{Ans: } 9 \frac{1}{3}$$

$$15) 2 \frac{1}{4} \div 2 \frac{1}{4}$$

$$= \frac{9}{4} \div \frac{9}{4}$$

$$= \frac{9}{4} \times \frac{4}{9}$$

$$= \frac{9 \times 4}{4 \times 9} = 1$$

$$\text{Ans: } 1$$

$$16) 11 \div 2 \frac{1}{4}$$

$$= 11 \div \frac{9}{4}$$

$$= 11 \times \frac{4}{9}$$

$$= \frac{11 \times 4}{9}$$

$$= \frac{44}{9} = 4 \frac{8}{9}$$

$$\text{Ans: } 4 \frac{8}{9}$$

Ex-60 Now, total length of string =  $6 \frac{2}{5} \text{ m} = \frac{32}{5} \text{ m}$

length of each piece =  $\frac{4}{5} \text{ m}$

$\therefore$  number of piece can be cut from  $\frac{32}{5} \text{ m} = \left( \frac{32}{5} \div \frac{4}{5} \right)$

$$= \frac{32}{5} \times \frac{5}{4}$$

$$= \frac{32 \times 5}{5 \times 4}$$

$$= 8$$

Ans: 8 pieces.

Ex-7:  $\frac{3}{4}$  dL can cover  $\frac{9}{7} \text{ m}^2$

$$\therefore 1 \text{ dL can cover } \left( \frac{9}{7} \div \frac{3}{4} \right) \text{ m}^2 = \left( \frac{9}{7} \times \frac{4}{3} \right) \text{ m}^2$$

$$= \frac{3 \times 4}{7 \times 1} \text{ m}^2$$

$$= \frac{3 \times 4}{7} \text{ m}^2 = \frac{12}{7} \text{ m}^2$$

$$= 1\frac{5}{7} \text{ m}^2$$

Ans:  $1\frac{5}{7} \text{ m}^2$

Ex-8: Here, 5 metre weights =  $2\frac{6}{7} \text{ Kg}$

$$\therefore 1 \text{ metre weights} = 2\frac{6}{7} \text{ Kg} \div 5$$

$$= \frac{20}{7} \text{ Kg} \div 5 = \frac{20}{7} \times \frac{1}{5} \text{ Kg}$$

$$= \frac{20 \times 1}{7 \times 5} \text{ Kg} = \frac{4}{7} \text{ Kg}$$

Ans:  $\frac{4}{7} \text{ Kg}$

Ex-9: Calculate:

$$1) \frac{7}{15} \times \frac{5}{6} \times \frac{3}{14}$$

$$= \frac{7 \times 5 \times 3}{15 \times 6 \times 14}$$

$$= \frac{7 \times 5 \times 3}{5 \times 3 \times 3 \times 2 \times 7 \times 2}$$

$$= \frac{1}{3 \times 2 \times 2} = \frac{1}{12}$$

Ans:  $\frac{1}{12}$

$$2) \frac{7}{12} \div 2\frac{1}{3} \times \frac{2}{5}$$

$$= \frac{7}{12} \div \frac{7}{3} \times \frac{2}{5}$$

$$= \frac{7}{12} \times \frac{3}{7} \times \frac{2}{5}$$

$$= \frac{7 \times 3 \times 2}{12 \times 7 \times 5}$$

$$= \frac{3}{6 \times 5} = \frac{3}{30} = \frac{1}{10}$$

Ans:  $\frac{1}{10}$

$$3) \frac{7}{12} \times \frac{2}{5} \div 2\frac{1}{3}$$

$$= \frac{7}{12} \times \frac{2}{5} \div \frac{7}{3}$$

$$= \frac{7}{12} \times \frac{2}{5} \times \frac{3}{7}$$

$$= \frac{7 \times 2 \times 3}{12 \times 5 \times 7}$$

$$= \frac{1}{2 \times 5}$$

$$= \frac{1}{10}$$

Ans:  $\frac{1}{10}$