

Exercise 2C

Q1) write down the reciprocal of.

1) $\frac{5}{8}$ 2) 7 3) $\frac{1}{12}$ 4) $12\frac{3}{5}$

$\rightarrow \frac{8}{5} \rightarrow \frac{1}{7} \rightarrow 12 \rightarrow \frac{5}{83}$

Q.2) Simplify

1) $\frac{4}{7} \div \frac{9}{14}$ 2) $\frac{7}{10} \div \frac{3}{5}$ 3) $\frac{8}{9} \div 16$ 4) $9 \div \frac{1}{3}$

$\rightarrow \frac{8}{9} \rightarrow 1\frac{1}{6} \rightarrow \frac{1}{18} \rightarrow 27$

5) $24 \div \frac{6}{7}$ 6) $3\frac{3}{8} \div \frac{4}{5}$ 7) $3\frac{3}{7} \div \frac{8}{21}$ 8) $54 \div \frac{139}{10}$ 9) $15\frac{3}{7} \div 1\frac{23}{49}$

$\rightarrow 28 \rightarrow 4\frac{1}{2} \rightarrow 9 \rightarrow 4\frac{2}{7} \rightarrow 10\frac{1}{2}$

Q.3) Divide

1) $\frac{11}{24}$ by $\frac{7}{8}$ 2) $6\frac{7}{8}$ by $\frac{11}{16}$ 3) $5\frac{5}{9}$ by $3\frac{1}{3}$ 4) 32 by $1\frac{3}{5}$

$\rightarrow \frac{11}{21} \rightarrow 10 \rightarrow 1\frac{2}{3} \rightarrow 20$

5) 45 by $1\frac{4}{5}$ 6) 63 by $2\frac{1}{4}$

$\rightarrow 25 \rightarrow 28$

Q.4) A Rope ~~strength~~ of Length $13\frac{1}{2}$ m has been divided into 9 pieces of the same length. What is the length of each piece?

$\rightarrow 1\frac{1}{2}$ m



Q.5] 18 boxes of nails weighs equally and their total weight is $49\frac{1}{2}$ kg. How much does each box weigh?

→ $1\frac{1}{2}$ m $2\frac{3}{4}$ kg

rate

Q.6] By selling oranges at the ~~weight~~ of $6\frac{3}{4}$ per orange. a man gets ₹ 378. How much oranges does he sell?

→ ~~$2\frac{3}{4}$ kg~~ 56

Q.7] mangoes are sold at ₹ $43\frac{1}{2}$ per kg. what is the weight of mangoes available for ₹ 326 $\frac{1}{4}$?

→ ~~56~~ $7\frac{1}{2}$ kg

Q.8] Vikas can cover a distance of $20\frac{2}{3}$ km. in $7\frac{3}{4}$ hours. on foot. How many km per hour does he walk?

→ ~~$7\frac{1}{2}$ kg~~ $2\frac{2}{3}$ km

Q.9] Preeti bought $8\frac{1}{2}$ kg of sugar for ₹ ~~248~~ $248\frac{1}{4}$. Find the Price of sugar per kg.

→ ~~$2\frac{3}{4}$ km~~ $28\frac{1}{2}$

Q.10] IF the cost of note book is $27\frac{3}{4}$, how many notebooks can be purchased for ₹ $249\frac{3}{4}$?

→ ~~$28\frac{1}{2}$~~ 9

Q.11] At a charity show the price of each ticket was ₹ $32\frac{1}{2}$. The total amount collected by a boy is ₹ $2871\frac{1}{2}$. How many tickets sold by him.

→ ~~9~~ 27

12) A group of people arrange a picnic. Each student contributed ₹ 26 $\frac{1}{2}$. The total contribution was ₹ 2875 $\frac{1}{2}$. How many students are there in a group?

→ ~~27~~ 11

13) 24 liters of milk was distributed equally among all the students of a hostel. If each student got $\frac{2}{5}$ litre of milk, how many students are there in the hostel?

→ ~~40~~ 60

14) A bucket contains 20 $\frac{1}{4}$ litre of water. A small jug has a capacity of $\frac{3}{4}$ liters. How many times the jug has to be filled with water from the bucket to get it emptied?

→ ~~60~~ 27

15) The product of two numbers is 15 $\frac{5}{6}$. If one of the numbers is $6\frac{1}{3}$, find the other.

→ ~~27~~ $2\frac{1}{2}$

16) By what number should $9\frac{4}{5}$ get multiplied to get 42 ?

→ ~~27~~ $4\frac{2}{7}$

17) By what number should $6\frac{2}{9}$ get multiplied to get $42\frac{2}{3}$?

→ $1\frac{1}{3}$