[FRACTIONS] MATHEMATICS | STD - V

Chapter-9

Fractions

WORKSHEET

- 1. Fill in the blanks :
 - a) Fractions with different denominators are Unlike fractions.
 - b) A mixed number is a combination of a whole number and a proper fraction.
 - c) A fraction greater than 1 is always a/an improper fraction.
 - d) In $\frac{17}{18}$, the numerator is 17
 - e) The lowest term of $\frac{10}{10}$ is _____1

f) 5 , one-fifth make a whole .

- g) There are _____halves in $4\frac{1}{2}$.
- h) A proper_ fraction is always less than 1.
- The numbers such as half, one-third, one-fourth, two-fifth, five-sixth etc. are called <u>Rational</u> numbers.
- 2. Do as directed :

a) Find:
$$\frac{3}{5}$$
 of 25.
Ans. $\frac{95}{1} \times \frac{5}{3} = \frac{195}{3} = 41 - \frac{2}{3}$
b) Express $\frac{19}{2}$ as mixed number.
Ans. $\frac{219}{18} = 9 - \frac{1}{2}$

c) Express $6\frac{2}{9}$ as improper fraction.

$$6 \times 9 + 2 = 56$$

ODM Educational Group

[FRACTIONS] MATHEMATICS | STD - V

d) Compare and put the correct symbol.(< , > or =)

$$\frac{\frac{3}{4}}{4} \bigcirc \frac{2}{5}$$
Ans. $\frac{3x5}{4x5} \bigcirc \frac{9x4}{5x4}$

$$= \frac{15}{90} \bigotimes \frac{8}{90}$$

$$= \frac{3}{4} \bigotimes \frac{9}{5}$$

e) Reduce $\frac{18}{42}$ to its lowest form.

$$\frac{+9}{+2} = \frac{-3}{21} = \frac{3}{7}$$

3. Solve as per the given instructions:

a) Add:
$$2\frac{5}{13} + \frac{7}{13} + 3\frac{9}{26}$$

Ans. $\frac{41}{13} + \frac{7}{13} + \frac{87}{36}$
 $= \frac{41 \times 2}{13 \times 2} + \frac{7 \times 9}{13 \times 2} + \frac{87 \times 1}{96 \times 1}$
 $= \frac{41 \times 2}{13 \times 2} + \frac{7 \times 9}{13 \times 2} + \frac{87 \times 1}{96 \times 1}$
 $= \frac{69}{26} + \frac{14}{36} + \frac{87}{26} = \frac{183}{26} = 7 - \frac{1}{36}$
Ans. $\frac{68}{7} - \frac{53}{9}$
 $= \frac{68 \times 9}{7 \times 9} - \frac{53 \times 7}{9 \times 7}$
 $= \frac{619}{63} - \frac{37}{63} = \frac{241}{63} = 3 \cdot \frac{59}{63}$
() Multiply: $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2}$
 $= \frac{3}{20}$

ODM Educational Group

	[FRACTIONS] MATHEM	ATICS STD - V
d) Simplify: $\frac{3}{5} + \frac{1}{2} - \frac{3}{4}$	ġ	15,2,4
$\frac{3 \times 4}{5 \times 4} + \frac{1 \times 10}{9 \times 10} - \frac{3 \times 5}{4 \times 5}$	L.	5,1,2
$= \frac{12}{20} + \frac{10}{20} - \frac{15}{20}$,	1, 1, 1
$= \frac{92}{90} - \frac{15}{80} = \frac{7}{20}$	L.,	C. M. = 20

e) A ribbon measuring $3\frac{1}{2}$ m is cut into 7 pieces. What is the length of each piece ?

Ans. Assibbon measuring = $3\frac{1}{2} = \frac{7}{2}$ Ricces cutted = 7 Lengthereforeachpriece = $\frac{7}{2} \div \frac{7}{1} = \frac{1}{2} \times \frac{1}{1} = \frac{1}{2} m$

Hence, The length of each piece ribbon is $\frac{1}{2}$ m.