SHREE VASISHTHA VIDHYALAYA

Maths Worksheet 2024-25

Name :- _____ Std.:- V -

Roll No. :- Worksheet No.PA1- 02 Date :- _____

Ch. – 5 : Fractions (5A to 5C)

Q.1) Fill in the blanks.

1. A fraction is a part of a whole .
2. A fraction is made up of two parts : numerator and denominator .
3. The fractions in which the numerator is greater than or equal to the denominator are called improper fraction .
4. If the numerator is same , the fraction with the least denominator is the greatest

Q.2) True or False :

1. The value of all the proper fractions is greater than 1. F
2. Fractions that name the same part of the whole are called equivalent fractions . T
3. The simplest form of $\frac{14}{49}$ is $\frac{2}{7}$. T
4. $\frac{5}{7} < \frac{3}{14}$ F

Q.3) Do as directed.

1. Fill the blank to name the equivalent fractions :-

a) $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$

b) $\frac{6}{9} = \frac{24}{36} = \frac{48}{72}$

2. Reduce the following fractions to their lowest terms :-

a) $\frac{36}{84} = \frac{18}{42} = \frac{9}{21} = \frac{3}{7}$ Ans

b) $\frac{75}{120} = \frac{5}{8}$ Ans

3. Compare and fill in the boxes by inserting $<, >$.

a) $\frac{3}{5} \boxed{<} \frac{7}{5}$ b) $\frac{1}{9} \boxed{>} \frac{1}{15}$

c) $\frac{10}{16} \boxed{<} \frac{18}{24}$ d) $\frac{19}{28} \boxed{>} \frac{13}{27}$

4. Add or subtract and express the result in the simplest form :-

a) $\frac{3}{15} + \frac{7}{15} + \frac{2}{15} = \frac{12}{15} = \frac{4}{5}$ Ans

b) $\frac{25}{30} - \frac{16}{30} = \frac{9}{30} = \frac{3}{10}$ Ans

Rashmi

Q. 4) Solve the following :-

1) Arrange the following in ascending order.

a) $\frac{6}{8}$, $\frac{9}{24}$, $\frac{7}{12}$, $\frac{5}{16}$

LCM = 48

$\frac{36}{48}, \frac{18}{48}, \frac{28}{48}, \frac{15}{48}$

$\frac{5}{16}$, $\frac{9}{24}$, $\frac{7}{12}$, $\frac{6}{8}$ Ans

2) Arrange the following in descending order.

a) $\frac{2}{6}$, $\frac{7}{12}$, $\frac{4}{20}$, $\frac{3}{4}$

LCM = 60

$\frac{20}{60}, \frac{35}{60}, \frac{12}{60}, \frac{45}{60}$

$\frac{3}{4}$, $\frac{7}{12}$, $\frac{2}{6}$, $\frac{4}{20}$ Ans

3) Add and give your answer in the simplest form .

a) $\frac{2}{4} + \frac{3}{6}$

$\frac{3\times2 + 2\times3}{12} = \frac{6+6}{12}$

$= \frac{12}{12} = \boxed{1}$ Ans

b) $\frac{3}{5} + \frac{9}{15} + \frac{4}{10}$

$\frac{6\times3 + 2\times9 + 3\times4}{30} = \frac{18+18+12}{30}$

$= \frac{48}{30} = \frac{24}{15} = \frac{8}{5} = \boxed{\frac{8}{5}}$ Ans

4) Subtract and give your answer in the simplest form .

a) $\frac{4}{18} - \frac{2}{6}$

$= \frac{1\times4 - 3\times2}{18}$

$= \frac{4-6}{18} = \frac{2}{18} = \frac{1}{9} = \boxed{\frac{1}{9}}$ Ans

b) $\frac{9}{8} - \frac{5}{12}$

$= \frac{3\times9 - 2\times5}{24}$

$= \frac{27-10}{24} = \boxed{\frac{17}{24}}$ Ans

5) Solve the following :-

a) $\frac{8}{9} - \frac{2}{3} - \frac{1}{6}$

$= \frac{2\times8 - 6\times2 - 3\times1}{18}$

$= \frac{16 - 12 - 3}{18} = \boxed{\frac{1}{18}}$ Ans