VI- Mathematics Assignments No-07 - Fractions

M. C. Q.

(Q1) Which of the following fractions are not equivalent?

(i) $\frac{3}{4}$ and $\frac{9}{12}$ (ii) $\frac{5}{6}$ and $\frac{10}{6}$ (iii) $\frac{2}{3}$ and $\frac{2}{9}$

(iv) $\frac{1}{2}$ and $\frac{4}{7}$

(Q2) The Simplest form of $\frac{288}{432}$ is

(i) $\frac{4}{5}$ (ii) $\frac{2}{3}$ (iii) $\frac{4}{61}$ (iv) $\frac{5}{8}$

(Q3) Which of the following fractions is Equivalent to $\frac{30}{54}$

(i) $\frac{30}{72}$ (ii) $\frac{5}{6}$ (iii) $\frac{5}{9}$ (iv) $\frac{5}{12}$

(Q4) choose the improper fraction

(i) $\frac{12}{13}$ (ii) $\frac{13}{14}$ (iii) $\frac{14}{18}$ (iv) $\frac{27}{5}$

(Q5) The proper fraction in

(i) $\frac{12}{13}$ (ii) $\frac{11}{9}$ (iii) $\frac{20}{3}$ (iv) $\frac{45}{7}$

(Q6) $\left(\dfrac{1}{2} + \dfrac{1}{4} + \dfrac{1}{8}\right)$ is

(i) $\dfrac{6}{8}$ (ii) $\dfrac{7}{8}$ (iii) $\dfrac{5}{8}$ (iv) $\dfrac{3}{8}$

(Q7) $\left(\dfrac{2}{5} + \dfrac{3}{4}\right)$ is

(i) $2\dfrac{3}{20}$ (ii) $3\dfrac{3}{20}$ (iii) $1\dfrac{3}{20}$ (iv) $4\dfrac{3}{20}$

(Q8) $\left(1\dfrac{1}{4} + 9\dfrac{1}{4}\right)$ is

(i) $7\dfrac{1}{2}$ (ii) $8\dfrac{1}{2}$ (iii) $9\dfrac{1}{2}$ (iv) $10\dfrac{1}{2}$

(Q9) $\dfrac{1}{3} \times 5$ is

(i) $1\dfrac{2}{3}$ (ii) $2\dfrac{2}{3}$ (iii) $3\dfrac{2}{3}$ (iv) $4\dfrac{2}{3}$

(Q10) The Sum of two fractions is $\dfrac{5}{12}$ if one fraction is $\dfrac{1}{4}$, The other fraction is

(i) $\dfrac{1}{7}$ (ii) $\dfrac{1}{6}$ (iii) $\dfrac{1}{5}$ (iv) $\dfrac{1}{4}$

(Q11) The product of two fractions is 1, if one is $\dfrac{3}{4}$, the other is

(i) $\dfrac{2}{3}$ (ii) $\dfrac{3}{3}$ (iii) $\dfrac{6}{3}$ (iv) $\dfrac{5}{3}$

Pg-3

(Q12) A fraction with numerator **1** is called

(i) Improper fraction (ii) Equivalent fraction

(iii) mixed fraction (iv) Unit fraction

(Q13) Which of the following is a false statement ?

(i) $\frac{9}{16} = \frac{5}{9}$ (ii) $\frac{6}{7} > \frac{3}{5}$ (iii) $\frac{3}{4} < \frac{1}{2}$

(iv) $\frac{1}{9} < \frac{1}{3}$

(Q14) The Sum of $\frac{2}{7}$ and $\frac{3}{14}$ in lowest form is

(i) $\frac{1}{7}$ (ii) $\frac{1}{2}$ (iii) $\frac{1}{14}$ (iv) $\frac{2}{7}$

(Q15) The sum of two numbers is $\frac{7}{8}$. If one of them is $\frac{3}{4}$, The other number is

(i) $\frac{2}{4}$ (ii) $\frac{7}{6}$ (iii) $\frac{1}{8}$ (iv) $\frac{1}{14}$

(Q16) Sohan walks 3 km per hour. The distance he covers in $2\frac{1}{2}$ hours is

(i) $1\frac{1}{2}$ (ii) $3\frac{1}{2}$ (iii) $5\frac{1}{2}$ (iv) $7\frac{1}{2}$

Pg-4

(Q17) The weight of 14 bags of gram is $32\frac{2}{3}$ kg. The weight of each bag of gram is

(i) $\frac{7}{3}$ (ii) $\frac{8}{3}$ (iii) $\frac{9}{3}$ (iv) $\frac{10}{3}$

(Q18) Cost of 3 pencils is Rs $6\frac{3}{4}$. The cost of 4 pencils is

(i) 10   (ii) 9   (iii) 8   (iv) 7

(Q19) Simplify $\left(6\frac{1}{3} - 3\frac{2}{9}\right) \times \frac{0}{7}$, the answer is

(i) $\frac{28}{63}$ (ii) $\frac{28}{9}$ (iii) 0   (iv) $3\frac{2}{9}$

(Q20) Simplify: $2 - \frac{2}{3} + 1\frac{1}{4} - 1\frac{5}{6}$

(i) $\frac{1}{4}$ (ii) $\frac{2}{4}$ (iii) $\frac{3}{4}$ (iv) $\frac{5}{4}$

ANSWERS:

(Q1) (i)	(Q6) (ii)	(Q11) (iii)	(Q16) (iv)	
(Q2) (ii)	(Q7) (iii)	(Q12) (iv)	(Q17) (i)	
(Q3) (iii)	(Q8) (iv)	(Q13) (i)	(Q18) (ii)	
(Q4) (iv)	(Q9) (i)	(Q14) (ii)	(Q19) (iii)	
(Q5) (i)	(Q10) (ii)	(Q15) (iii)	(Q20) (iii)	