

VI - Mathematics - Assignments No. - 02. - Fractions

(Q1) A teacher has 25 pieces of chalks. She has given  $\frac{4}{5}$ <sup>th</sup> of chalks to another teacher. How many chalks she has given?

(Q2) What fraction of 25 cm of a meter?

(Q3) Write two equivalent fractions of  $\frac{4}{7}$ .

(Q4) Are the following fractions equivalent?

(i)  $\frac{3}{5}$  and  $\frac{9}{10}$       (ii)  $\frac{4}{7}$  and  $\frac{20}{35}$

(Q5) Reduce in lowest term

(i)  $\frac{169}{299}$       (ii)  $\frac{144}{216}$

(Q6) You are given the prime numbers in the set of natural numbers from 1 to 20. What fraction of even numbers are there?

(Q7) Write a fraction whose numerator is 13 and denominator is 20

(Q8) Write all fractions in such a way that the sum of its numerator and denominator is 12. (i.e. in the form of  $\frac{a}{b}$ ,  $b > a$ )

(Q9) Write any 4 fraction such that the denominator is 5 more than the numerator

(Q10) Mark the following fractions on the number line.

$$\frac{1}{4}, \frac{3}{5}, \frac{4}{5}, \frac{8}{5}$$

(Q11) Change the following fractions as mixed fraction

$$\frac{20}{3}, \frac{17}{2}, \frac{21}{5}, \frac{27}{7}$$

(Q12) Change the mixed fraction as improper fraction

$$2\frac{3}{5}, 7\frac{1}{5}, 4\frac{5}{7}, 7\frac{3}{4}$$

### ANSWERS

(Q1) 20	(Q5) $\frac{13}{23}, \frac{2}{3}$	(Q8) $\frac{1}{11}, \frac{2}{10}, \frac{3}{9}, \frac{4}{8}, \frac{5}{7}$	(Q11) $6\frac{2}{3}, 8\frac{1}{2}, 4\frac{1}{5}$
(Q2) $\frac{1}{4}$	(Q6) $\frac{1}{8}$	(Q9) $\frac{1}{6}, \frac{2}{7}, \frac{3}{8}, \frac{4}{9}$	$3\frac{6}{7}$
(Q3) $\frac{8}{14}, \frac{12}{21}$	(Q7) $\frac{13}{20}$	(Q10) —	(Q12) $\frac{13}{5}, \frac{36}{5},$
(Q4) No yes			$\frac{33}{7}, \frac{31}{4}$