

General instructions for students:- whatever be the notes provided, everything must be copied in the maths copy and then do the HOME WORK in the same copy.

MATHS

FRACTIONS

STD.VI

FRACTIONS:- A fraction is a number which represents a part of whole. The whole may be a single object or a group of objects.

Example:- $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$etc.

Denominator and numerator of a fraction:- In all fractions such as $\frac{1}{2}$, $\frac{2}{5}$, $\frac{13}{100}$, the number below the division line is called the denominator (or divisor). It tells us into how many equal parts a whole is divided.

The number above the division line is the numerator (or dividend). It tells how many parts are taken.

Example:- i) In the fraction $\frac{2}{5}$, 5 is the denominator and 2 is the numerator.

ii) In the fraction $\frac{13}{100}$, 100 is the denominator and 13 is the numerator.

Solve the question

Q.1. Write the natural numbers from 2 to 12. What fraction of them are prime numbers?

Solution:- Natural numbers from 2 to 12 are- 2,3,4,5,6,7,8,9,10,11,12 and their number = 11.

Out of these , the prime numbers are:- 2,3,5,7,11 and their number =5.

Thus the required fraction is $\frac{5}{11}$.

Q.2. Write the fraction in which numerator is 5 and denominator is 13.

Solution:- $\frac{5}{13}$.

Q.3. What fraction of a day is 8 hours?

Solution:- 1 day = 24 hours.

Thus the required fraction is = $\frac{8}{24} = \frac{1}{3}$.

ASSIGNMENT- 1

EXERCISE – 6.1

QUESTION NUMBERS:- 2. II) , III) ; 11) ; 8); 7. II).

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