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CLASS - 3

DATE- 19. 10. 20

SUB-MATHS

S.T-PRAGYA

BASED ON N.C.E.R.T PATTERN

CH - FRACTION

Only read and try to understand

See example carefully:

c $\frac{2}{5} \times \frac{4}{4} = \frac{30}{8}$ **q** $\frac{2}{5} \times \frac{2}{2} = \frac{32}{10}$

a $\frac{2}{5} \times \frac{5}{5} = \frac{10}{4}$ **p** $\frac{2}{5} \times \frac{3}{3} = \frac{12}{6}$

By 5, 3, 4 and 2 respectively
its numerator and denominator
to obtain equivalent of $\frac{2}{5}$, we multiply
Find four equivalent fraction of $\frac{2}{5}$

Example
of the fraction by a common number other than 0 and 1.
To get the equivalent of a given fraction, we multiply the numerator and denominator

BUILDING EQUIVALENT FRACTIONS :

$\therefore \frac{5}{1} = \frac{4}{5} = \frac{8}{4} = \frac{10}{8} = \frac{35}{10}$

represents the same part of the circle i.e. $\frac{5}{1}$

A close look will make it clear that shaded portion in each figure (a, p, c, q and e)

a **p** **c** **q** **e**

carefully observe the shaded portions of the circle. What did you observe?
Equivalent fractions.
Fractions which represent the same part of a whole or a collection are called

III EQUIVALENT FRACTIONS

(except 0 and 1)
common number
denominator by a
its numerator and
just keep multiplying
fraction you can make
many equivalent of a
There is no limit to how
BEWEWBEB :

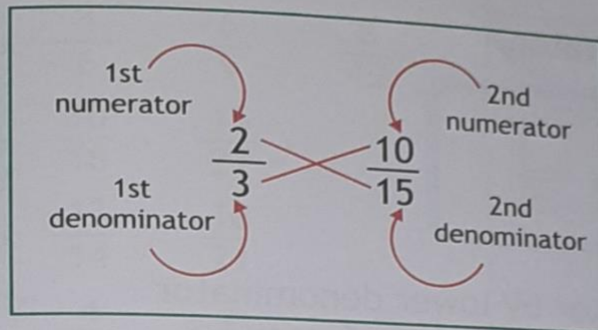
CHECKING EQUIVALENCE OF TWO FRACTIONS :

Two fractions are said to be equivalent if the product of the numerator of the first fraction and the denominator of the second fraction is equal to the product of the numerator of the second fraction and denominator of first fraction.



Are $\frac{2}{3}$ and $\frac{10}{15}$ equivalent ?

Solution :



$$2 \times 15 = 30, 3 \times 10 = 30$$

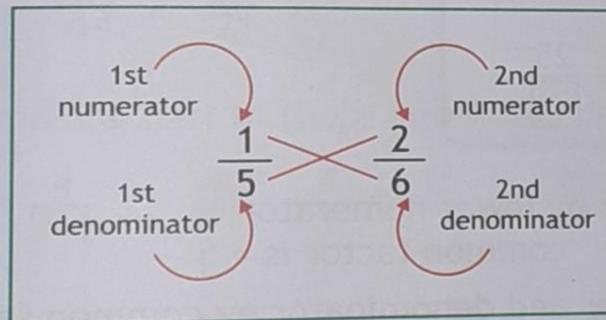
Product are equal.

$\therefore \frac{2}{3}$ and $\frac{10}{15}$ are equivalent fractions.



Are $\frac{1}{5}$ and $\frac{2}{6}$ equivalent ?

Solution :



$$1 \times 6 = 6, 5 \times 2 = 10$$

Product are not equal.

$\therefore \frac{1}{5}$ and $\frac{2}{6}$ are not equivalent fractions.

