

Class: 3

Subject: Mathematics

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Chapter: Fraction

Lecture -4 notes

In previous lectures we have learnt about “How to find equivalent fractions”, in two ways .We will learn about it in detail in class four.

Now, we will learn about “How to determine fractions are equivalent or not”.

Process of determining fractions is equivalent or not

To determine if two fractions are equivalent, cross-multiply the fractions.

If the products are same the fractions will be equivalent. If the products are not equal then, the fractions will be not equivalent.

$$\begin{array}{r} \frac{2}{3} \quad \begin{array}{l} \nearrow 4 \\ \searrow 10 \end{array} \\ \frac{5}{4} \end{array}$$
$$2 \times 10 = 20$$
$$5 \times 4 = 20$$

Cross – products are zero.

Therefore, the fractions are equivalent.

Assess your learning

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2. Simplify the following fraction that given bellow:

1) $\frac{41}{41}$

2) $\frac{67}{67}$

3) $\frac{26}{1}$

4) $\frac{10}{1}$

5) $\frac{300}{400}$

6) $\frac{1000}{8000}$

7) $\frac{2900}{1000}$

8) $\frac{170}{1900}$

9) $\frac{100}{600}$

10) $\frac{3000}{5000}$

11) $\frac{90}{1000}$

12) $\frac{70}{9000}$