

Class:- 4

Subject:- Math

Lesson:- 9

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Subtraction of fractions

Subtraction of like fractions

Ques:- $1 \Rightarrow$ Subtract $\frac{5}{8}$ from $\frac{7}{8}$.

Solve: $\Rightarrow \frac{7}{8} - \frac{5}{8}$

$$\frac{7 - 5}{8} = \frac{2}{8}$$

But $\frac{2}{8}$ is not in the lowest terms.

So, we first find H.C.F of 2 and 8.

H.C.F of 2 and 8 = 2

$$\frac{2 \div 2}{8 \div 2} = \frac{1}{4}$$

2	2	2	8
	1	2	4
		2	2
			1

$2 = 2$

$8 = 2 \times 2 \times 2$

H.C.F = 2

Thus $\frac{7}{8} - \frac{5}{8} = \frac{1}{4}$ Ans

Subtraction of Unlike fractions:-

Ques:- \Rightarrow Subtract $\frac{3}{5}$ from $\frac{2}{3}$.

Solve:- \Rightarrow $\frac{2}{3}$ and $\frac{3}{5}$ are unlike fraction

We shall first convert these fractions to like fractions.

L.C.M of 3 and 5 = 15

$$\frac{2}{3} = \frac{2 \times 5}{3 \times 5} = \frac{10}{15}$$

$$\frac{3}{5} = \frac{3 \times 3}{5 \times 3} = \frac{9}{15}$$

So, $\frac{2}{3} - \frac{3}{5}$

$$\frac{10}{15} - \frac{9}{15} = \frac{10-9}{15} = \frac{1}{15} \text{ Ans}$$

Thus, $\frac{2}{3} - \frac{3}{5} = \frac{1}{15}$

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Question Number 2 and 4. (All)