

# MATHEMATICS Std VII

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#### ASSIGNMENT: Fractions and Decimals

General instructions: Students please copy down the important Topics in your notebook from You Tube videos

Q1. Evaluate the following:

$$(iii) \frac{5}{12} + \frac{1}{18} - \frac{2}{9}$$

Solution:

$$\frac{5}{12} + \frac{1}{18} - \frac{2}{9}$$

$$= \frac{5 \times 3}{12 \times 3} + \frac{1 \times 2}{18 \times 2} - \frac{2 \times 4}{9 \times 4}$$

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$$36$$

$$= \frac{15}{36} + \frac{2}{36} - \frac{8}{36}$$

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$$36$$

$$= \frac{17}{36} - \frac{8}{36}$$

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$$36$$

$$= \frac{9}{36}$$

$$= \frac{1}{4}$$

Q2. Simplify the following:

$$(i) 7 \frac{3}{4} - 3 \frac{5}{6} + \frac{7}{8}$$

Solution:

$$= 7 \frac{3}{4} - 3 \frac{5}{6} + \frac{7}{8}$$

$$= \frac{31 \times 6}{4 \times 6} - \frac{23 \times 4}{6 \times 4} + \frac{7 \times 3}{8 \times 3}$$

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$$24$$

$$= \frac{186}{24} - \frac{92}{24} + \frac{21}{24}$$

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$$24$$

$$= \frac{207}{24} - \frac{92}{24}$$

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$$24$$

$$= 115/24$$

$$= 4 \frac{19}{24} \text{ ans.}$$

Homework:

Exercise 2.2

Question no. 1(i), (ii),

Question no. 2(ii)

Question 4 and 5