

**SEPTEMBER 23, 2015**

**UNIT 1: RATIONAL NUMBERS**

**MID-UNIT REVIEW**

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***MATH 9***



## **WHAT'S THE POINT OF TODAY'S LESSON?**

**We will continue working on the Math 9 Specific Curriculum Outcome (SCO) "Numbers 3" OR "N3" which states:**

**"Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers."**



**What does THAT mean???**

**SCO N3 means that we will compare and order (largest vs smallest), add, subtract, multiply and divide fractions and any numbers that can be written as fractions. For example, sometimes we will work with  $\frac{1}{2}$  or 0.5. We have to know how to work with both.**





# Grade 9 Warm Up



1) Express each fraction as a decimal.

$$\text{a) } \frac{1}{5} = 0.2$$

$$\text{b) } \frac{2}{15} = 0.1\bar{3}$$

$$\text{c) } \frac{-4}{13} = -0.307692$$

2) Express each decimal as a fraction or mixed number in simplest form.

$$\text{a) } 0.4 = \frac{4}{10} = \frac{2}{5}$$

$$\text{b) } -3.2 = -3\frac{2}{10} = -3\frac{1}{5}$$

$$\text{c) } 1.125 = 1\frac{125}{1000} = 1\frac{1}{8}$$

3) Determine each sum using fractions. (Show all work and reduce final answers to lowest terms.)

$$\begin{aligned} \text{a) } & -\frac{6}{5} + \left(-\frac{2}{5}\right) \\ & = -\frac{6}{5} - \frac{2}{5} \\ & = -\frac{8}{5} \\ & = -1\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \text{b) } & \frac{8}{3} + \frac{5}{4} \\ & = \frac{32}{12} + \frac{15}{12} \\ & = \frac{47}{12} \\ & = 3\frac{11}{12} \end{aligned}$$

$$\begin{aligned} \text{c) } & -3\frac{2}{7} + 2\frac{1}{4} \\ & = -\frac{23}{7} + \frac{9}{4} \\ & = -\frac{92}{28} + \frac{63}{28} \\ & = -\frac{29}{28} \\ & = -1\frac{1}{28} \end{aligned}$$

**HOMEWORK QUESTIONS???**  
**(pages 112 / 113, #13, #17 and #18;**  
**pages 119 / 120, #3, #5, #7, #8, #9 and #11)**

**CONCEPT REINFORCEMENT;  
MID-UNIT REVIEW:**

***MMS9:***

**Page 121: #1, #3, #4, #6, #8 & #9**