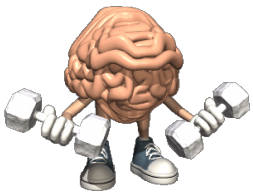
Curriculum Outcome

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly:
"We are going to review adding and subtracting fractions and decimals."
Getting ready for a QUIZ



Warm Up

1) Identify wether the number is rational or non-rational

$\frac{2}{3}$	$1.\overline{66}$	1.234567.....	-2.25
Q	Q	$\bar{Q}$	Q

2)Express each fraction as a decimal

a) $\frac{4}{5}$	b) $\frac{9}{6}$	c) $\frac{3}{11}$
0.8	1.5	$0.\overline{27}$

3) Determine two rational numbers between each of the following

a) -2.3, -2.34

-2.31
-2.33

b) $\frac{-1}{2}$, $\frac{2}{3}$

$-\frac{3}{6}$ $\frac{4}{6}$ $-\frac{2}{6}$, 0

4) Determine which number is greater (Show all work)
Greater > , Less < , Equal =

a) 0.67 [>] $\frac{2}{3}$

$0.\overline{6}$

b) $\frac{-4}{5}$ [<] $\frac{-2}{15}$

-0.8 -0.13

$-\frac{12}{15}$

5) Evaluate each of the following:

a) -21.25 + 3.25 = -18

b) -11.3 -(-2.4) = -8.9

c) 7.35 + (-2.22) = 5.13

d) -9.66 - (8.15) = -17.81

Grade 9 Warm Up

6) Evaluate each of the following:

a) $\frac{8}{3} + \frac{5}{4}$

$\frac{32}{12} + \frac{15}{12}$

$\frac{47}{12}$

$3\frac{11}{12}$

b) $-4\frac{2}{3} + \left(3\frac{1}{6}\right)$

$-\frac{14}{3} + \frac{19}{6}$

$-\frac{28}{6} + \frac{19}{6}$

$-\frac{9}{6}$

$-\frac{3}{2}$

$-1\frac{1}{2}$

Grade 9 Warm Up

c) $\frac{-1}{6} - \frac{2}{3}$

$\frac{-1}{6} - \frac{4}{6}$

$-\frac{5}{6}$

d) $2\frac{1}{7} - \left(-3\frac{2}{3}\right)$

$\frac{15}{7} + \frac{11}{3}$

$\frac{45}{21} + \frac{77}{21}$

$\frac{122}{21}$

$5\frac{17}{21}$

122
-105
17

Grade 9 Warm Up

7) Evaluate the following expressions:

a) $-\frac{4}{3}-\left(\frac{-7}{2}\right)+\frac{6}{5}$

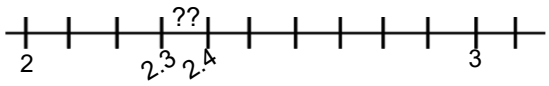
$-\frac{40}{30}+\frac{105}{30}+\frac{36}{30}$

$\frac{101}{30}$

$3\frac{11}{30}$

b) $23.5+(-12.61)-3.2$

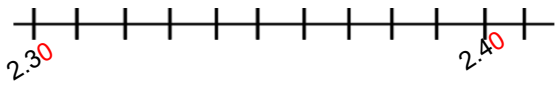
$= 7.69$



Hint... Add a zero place holder at the end of the decimal.

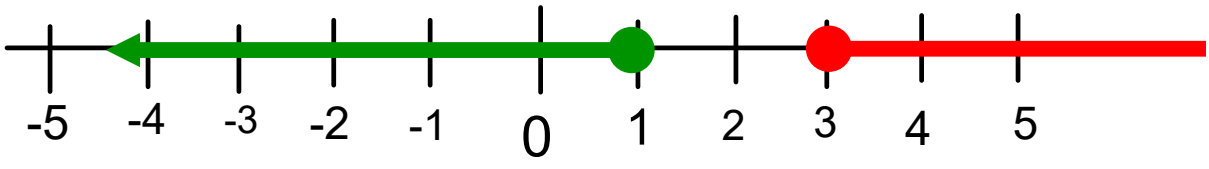
2.30

2.40

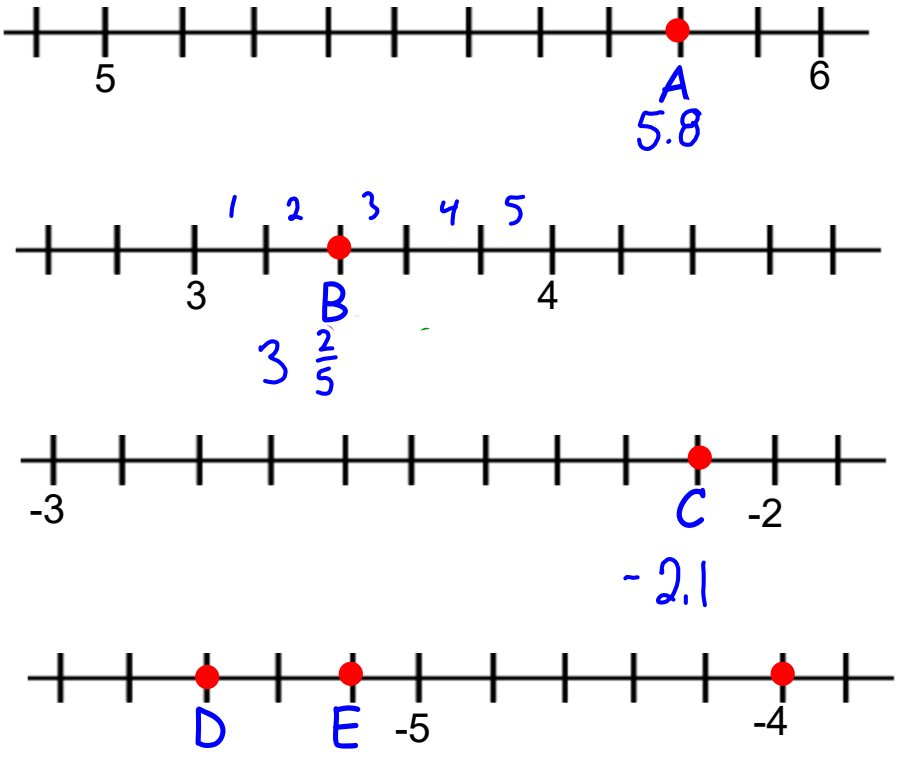


2.31

2.32

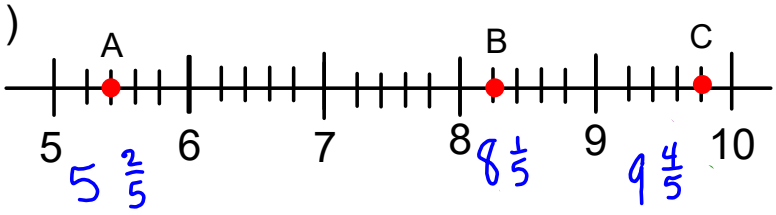


$x \leq 1$ $x \geq 3$



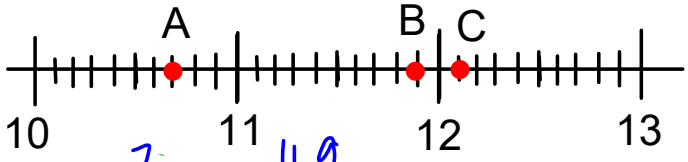
State the fraction and decimal for each

1)



$5\frac{2}{5}$ $8\frac{1}{5}$ $9\frac{4}{5}$

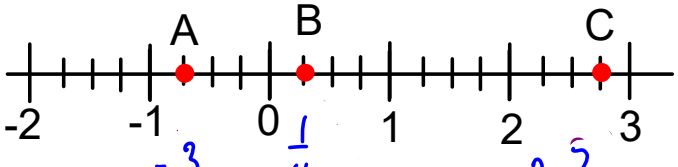
2)



$10\frac{7}{10}$ 11.9 12.1

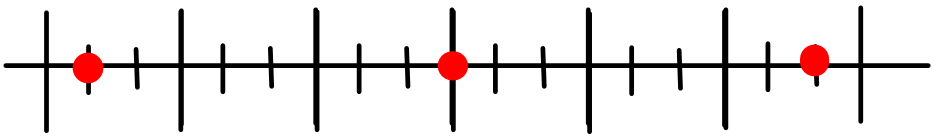
10.7

3)



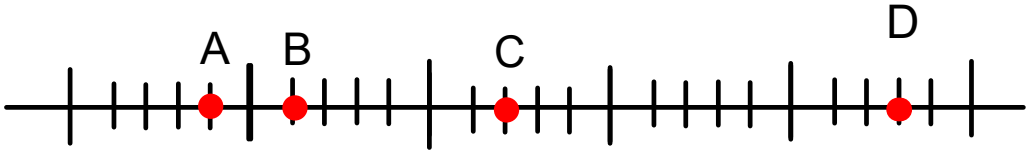
$-\frac{3}{4}$ $\frac{1}{4}$ $2\frac{3}{4}$

4)



$-5\frac{2}{3}$ -3 $-\frac{1}{3}$

5)



$-1\frac{1}{5}$ $-\frac{4}{5}$ $\frac{2}{5}$ $2\frac{3}{5}$

Quiz Review

Things to know from Section 3.1

- How to change a fraction to a decimal

-Change Improper Fractions to mixed and Mixed to Improper

-Equivalent fractions

- Compare and Order fractions

Quiz Review

Things to know from Section 3. 1

- To add fraction you MUST have common denominators

- If you see decimals you can use your calculator and answer in decimal form.

-IF you see fractions in the question then you MUST work with fractions

- In order to add Mixed Fractions you MUST change them to improper fractions and then find common denominators

Quiz Review

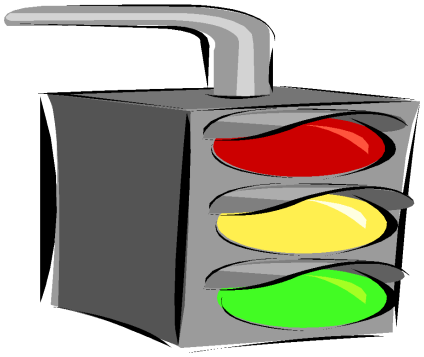
Things to know from Section 3.

- To subtract fraction you MUST have common denominators

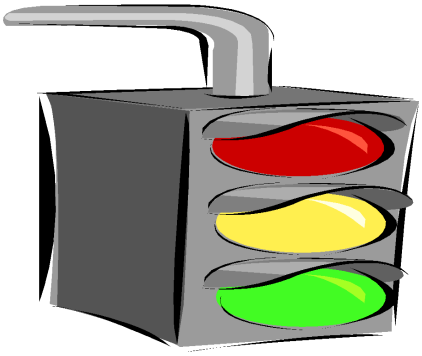
- If you see decimals you can use your calculator and answer in decimal form.

-IF you see fractions in the question then you MUST work with fractions

- In order to subtract Mixed Fractions you MUST change them to improper fractions and then find common denominators



Now it is time for Home Learning



Note:

YOU HAVE A QUIZ NEXT CLASS

Homework

Page 101-103

Questions: 8, 9abc

Quiz Review

Page 121:
2, 3, 4ad, 5b(i, ii, iii), 6, 7,8, 9