Grade 9 Warm Up

1) Identify whether the number is rational or irrational

$\frac{3}{4}$	-3.286754....	$1.\overline{66}$	-0.33	1.85
Q	Q	Q	Q	Q

2) Arrange the fractions from least to greatest: (Show work)

$\frac{15}{18}$ 0.83 $\frac{-12}{17}$ 0.7 $\frac{13}{15}$ 0.86 $\frac{16}{15}$ 1.0 $\frac{-4}{13}$ 0.3 $\frac{-3}{11}$ 0.27

$-\frac{12}{17}, -\frac{4}{13}, -\frac{3}{11}, \frac{15}{18}, \frac{13}{15}, \frac{16}{15}$

3) Express decimal as a fraction in simplest form.

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

b) -3.2 $-3\frac{2}{5}$

d) -32.75 + 18.73 $-14\frac{2}{100}$
-14.02 $-14\frac{1}{50}$

4) Determine each sum.

a) $\frac{-6}{5} + \frac{-2}{5}$

$\frac{-8}{5} = -1\frac{3}{5}$

b) $\frac{-3}{4} + \frac{5}{6}$

$\frac{-9}{12} + \frac{10}{12} = \frac{1}{12}$

c) $-3\frac{2}{7} + 2\frac{1}{4}$

$-\frac{23}{7} + \frac{9}{4}$

$\frac{-92}{28} + \frac{63}{28} = -\frac{29}{28} = -1\frac{1}{28}$

d) -32.75 + 18.73

Your Turn

Add the opposite

1) Improper
2) LCM
3) New fractions
4) Subtract
5) Simplify

1)

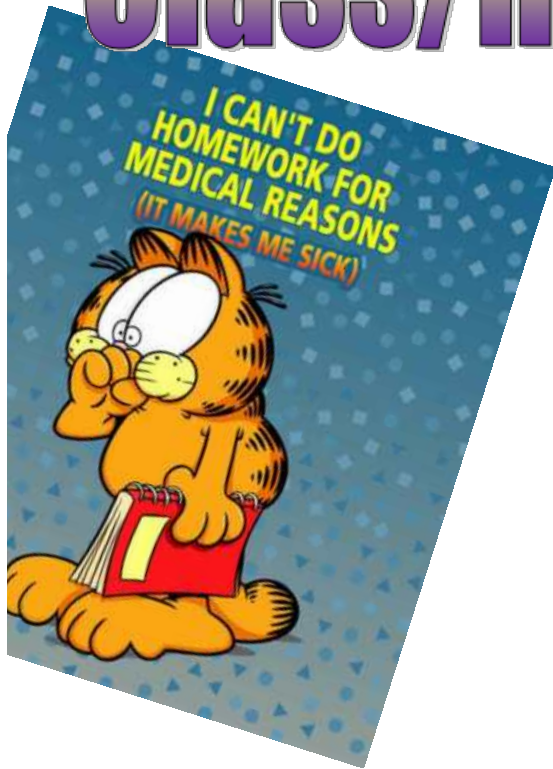$-2\frac{2}{9} - \left(-3\frac{1}{3}\right)$

$-\frac{20}{9} + \left(+\frac{10}{3}\right)$

$-\frac{20}{9} + \frac{10}{3} \cdot \frac{3}{3}$

$-\frac{20}{9} + \frac{30}{9} = \frac{10}{9} = 1\frac{1}{9}$

2)

$6\frac{1}{2} - 3\frac{1}{7}$

$\frac{13}{2} - \frac{22}{7}$

$\frac{91}{14} - \frac{44}{14}$

$\frac{47}{14} = 3\frac{5}{14}$

Class/Homework

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#6 , #7ace

9 d,e, f

11

13 c, d

14a,c

15 ab