Unit 2 Practice/Intervention
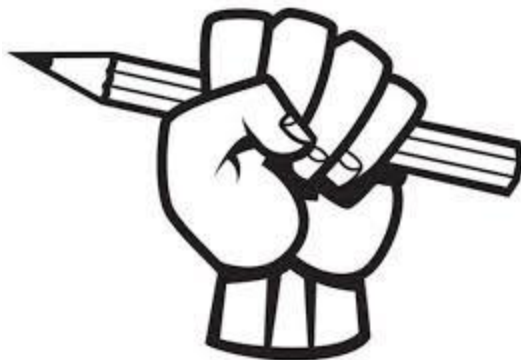
Calculators OK

1. Convert each of the below to a **decimal**. Include the negative when necessary!

(a) $\dfrac{9}{12} =$

(b) $-\dfrac{25}{50} =$

(c) $-2\dfrac{1}{4} =$

(d) $7\dfrac{3}{5} =$

(e) $\dfrac{12}{16} =$

(f) $-\dfrac{15}{30} =$

2. Convert each of the below to a **fraction**. Simplify if you can!

    (a) $0.2 =$

    (b) $0.15 =$

    (c) $0.3 =$

    (d) $0.13 =$

    (e) $0.4 =$

    (f) $0.35 =$

3. Fill in the blank!

    a) $0.27 + \frac{25}{100} = \frac{\square}{100} + \frac{25}{100}$

    b) $\frac{17}{100} - 0.8 = \frac{17}{100} - \frac{\square}{10}$

    c) $0.2 + \frac{75}{100} = \frac{\square}{10} + \frac{75}{100}$

    d) $\frac{3}{10} - 0.47 = \frac{3}{10} - \frac{\square}{100}$

4. State whether the table below shows a proportional relationships. If it does, write the constant of proportionality.

x	y
0	0
$1\frac{1}{2}$	$\frac{1}{8}$
6	$\frac{1}{2}$
$9\frac{3}{5}$	$\frac{4}{5}$

5. State whether the table below shows a proportional relationships. If it does, write the constant of proportionality.

x	y
0	0
$1\frac{1}{2}$	$5\frac{1}{2}$
$2\frac{1}{4}$	$6\frac{1}{4}$
$3\frac{1}{8}$	$7\frac{1}{8}$

6. State whether the table below shows a proportional relationships. If it does, write the constant of proportionality.

x	y
0	0
$\dfrac{1}{3}$	6
$\dfrac{2}{3}$	12
$\dfrac{5}{6}$	15

7. State whether the table below shows a proportional relationships. If it does, write the constant of proportionality.

x	y
0	0
$\dfrac{1}{6}$	$\dfrac{2}{3}$
$\dfrac{2}{3}$	$2\dfrac{2}{3}$
$8\dfrac{1}{3}$	$33\dfrac{1}{3}$