Name_____

Corrective Assignment

Date_____

Label each number as whole, integer, or rational.

1) −14

2) 4.7

3) $\dfrac{20}{3}$

4) −13

5) −15

6) 0

7) $\dfrac{13}{15}$

8) 11

Put in order from least to greatest.

9) $-4, -\dfrac{11}{3}, -4.25, -4\dfrac{3}{4}$

10) $5, \dfrac{24}{5}, |-5.5|, 5\dfrac{1}{3}$

11) $3.2, \dfrac{25}{9}, |-3.5|, 3\dfrac{1}{4}$

12) $-6.5, -6\dfrac{2}{3}, -4, -\dfrac{34}{5}$

(If you start with a fraction, end with a fraction. If you start with a decimal, end with a decimal)
Round to the nearest hundredth!

Evaluate each expression.

13) $5 + 5$

14) $8 + -8$

15) $-2 - -\dfrac{1}{3}$

16) $\dfrac{4}{3} + 3\dfrac{5}{7}$

17) $-1.7 + -2.9$

18) $2.1 + 5.8$

Find each product.

19) $(-4)(9)$

20) $(-7)(-8)$

21) $\left(-1\dfrac{1}{2}\right)\left(-\dfrac{2}{3}\right)$

22) $(-9)\left(\dfrac{1}{3}\right)$

23) $(6.38)(3.1)$

24) $(1.507)(9.4)$

Find each quotient.

25) $36 \div -9$

26) $35 \div -5$

27) $\dfrac{-16}{9} \div -3\dfrac{9}{10}$

28) $\dfrac{5}{4} \div \dfrac{-1}{4}$

29) $0.5 \div -9.5$

30) $6.4 \div 8.4$

Simplify each expression.

31) $8x + 7x$

32) $2x - 3x$

33) $1 + k + 1 - 5k$

34) $2a + 10a$

35) $7(8x + 7)$

36) $7(b - 6)$

37) $3(-8 + 7p)$

38) $-10(-9 + 7n)$

39) $\dfrac{3}{4}\left(-2n + \dfrac{5}{6}\right)$

40) $-\dfrac{1}{2}\left(a + \dfrac{2}{3}\right)$

41) $7.5(5 + 4.1a)$

42) $-0.8(6.3n - 5.2)$

43) $-7 + 2(-n - 4)$

44) $9(-4v - 3) - 3v$
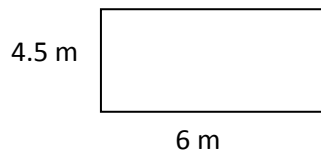
45) $-3(x + 4) - 3x$

46) $10x - 7(x - 3)$

47) $3.1(1 - 8.11n) + 0.1$

48) $5.8x + 5.2(1 - 6.1x)$

49. Find the area and perimeter of the rectangle.	50. Find the area and perimeter of the triangle.
p = add up all the sides $A = lw$	p = add up all the sides $A = \frac{1}{2}bh$
4.5 m [rectangle] 6 m	[triangle: $\frac{1}{4}$ cm, $\frac{1}{4}$ cm sides; $\frac{3}{4}$ cm height; $\frac{1}{4}$ cm base]
Perimeter =	Perimeter =
Area =	Area =
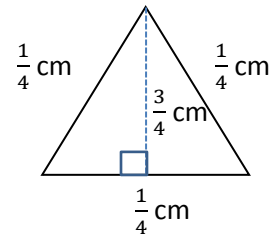
51. Given the set of numbers in the domain below, use the function to find the range.
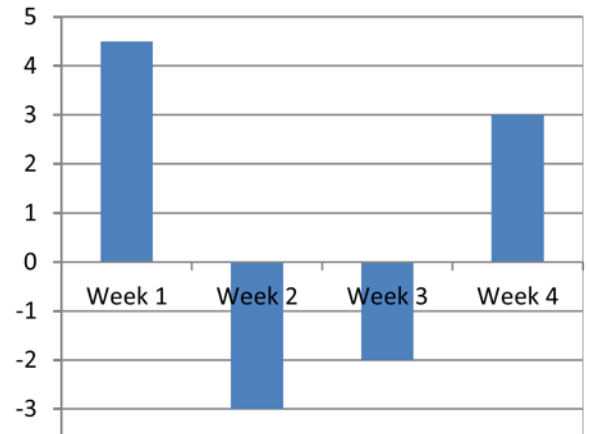
Domain $\left\{-2.5, -\frac{3}{4}, 0, 4\right\}$ **Range** $\left\{ \qquad \right\}$

Function $y = 3x - 2$

Weight Change

52. Bob records his weight change for a month.
What is his total change?

53. The recipe below is for Kelly's Lemonade. Change the recipe so that it makes one third of a batch of lemonade.

Serves 12	Serves _____
• 2.5 pints of strawberries	_____ pints of strawberries
• $\frac{14}{9}$ teaspoons of sugar	_____ teaspoons of sugar
• 8 tablespoons of lemon juice	_____ tablespoons of lemon juice
• $4\frac{3}{5}$ liters of water	_____ liters of water

ANSWERS TO UNIT 2 CORRECTIVE ASSIGNMENT

Skills

1) Integer, Rational   2) Rational   3) Rational   4) Integer, Rational

5) Integer, Rational   6) Whole, Integer, Rational   7) Rational   8) Whole, Integer, Rational

9) $-4\frac{3}{4}, -4.25, -4, -\frac{11}{3}$

10) $\frac{24}{5}, 5, 5\frac{1}{3}, |-5.5|$

11) $\frac{25}{9}, 3.2, 3\frac{1}{4}, |-3.5|$

12) $-\frac{34}{5}, -6.5, -6\frac{2}{3}, -4$

13) 10

14) 0

15) $-\frac{5}{3}$

16) $\frac{106}{21}$

17) -4.6

18) 7.9

19) -36

20) 56

21) 1

22) -3

23) 19.78

24) 14.16

25) -4

26) -7

27) $\frac{160}{351}$

28) -5

29) -0.05

30) 0.76

31) $15x$

32) $-x$

33) $2 - 4k$

34) $12a$

35) $56x + 49$

36) $7b - 42$

37) $-24 + 21p$

38) $90 - 70n$

39) $-\frac{3}{2}n + \frac{5}{8}$

40) $-\frac{1}{2}a - \frac{1}{3}$

41) $37.5 + 30.75a$

42) $-5.04n + 4.16$

43) $-15 - 2n$

44) $-39v - 27$

45) $-6x - 12$

46) $3x + 21$

47) $3.2 - 25.14n$

48) $-25.92x + 5.2$

APPLICATION

49)
Perimeter = 21 m

Area = 27 m^2

50)
Perimeter = $\frac{3}{4}$ cm

Area = $\frac{3}{8}$ cm^2

51) $\left\{-9.5, -\frac{17}{4}, -2, 10\right\}$

52) 2.5 pounds

53)

Serves 12

- 2.5 pints of strawberries

- $\frac{14}{9}$ teaspoons of sugar

- 8 tablespoons of lemon juice

- $4\frac{3}{5}$ liters of water

Serves 4

0.83 pints of strawberries

$\frac{14}{27}$ teaspoons of sugar

$\frac{8}{3}$ tablespoons of lemon juice

$\frac{23}{15}$ or $1\frac{8}{15}$ liters of water