Week 28 HW
due Tuesday 3/17/20

Reminder: ALL Quarter 3 Pearson Assignments due 3/16/20!

Name: _____

Converting Fractions and Mixed Numbers to Decimals (Tenths and Hundredths)

*Use your math notebook!

The Sick Banana

Rewrite each fraction or mixed number as a decimal. Then solve the riddle by matching the letters to the blank lines below.

[A] $\frac{4}{10}$ = 0.4 [P] $2\frac{7}{100}$ = 2.07 [E] $2\frac{17}{100}$ = 2.17

[I] $1\frac{6}{10}$ = 1.6 [E] $2\frac{3}{100}$ = 2.03 [S] $\frac{16}{100}$ = 0.16 [R] $\frac{6}{10}$ = 0.6

[L] $2\frac{6}{10}$ = 2.6 [L] $4\frac{6}{10}$ = 4.6 [I] $4\frac{63}{100}$ = 4.63 [W] $17\frac{6}{10}$ = 17.6 [T] $\frac{4}{100}$ = 0.04

[E] $2\frac{7}{10}$ = 2.7 [N] $1\frac{6}{100}$ = 1.06 [E] $6\frac{1}{100}$ = 6.01 [Y] $\frac{1}{10}$ = 0.1 [T] $\frac{27}{100}$ = 0.27

[N] $3\frac{2}{100}$ = 3.02 [W] $6\frac{1}{10}$ = 6.1 [V] $3\frac{12}{100}$ = 3.12 [G] $6\frac{2}{10}$ = 6.2 [L] $\frac{6}{100}$ = 0.06

Why did the banana go to the doctor?

Because

I	T		W	A	S	N	'T
1.6	0.04		6.1	0.4	0.16	1.06	0.27

P	E	E	L	I	N	G		V	E	R	Y
2.07	6.01	2.17	4.6	4.63	3.02	6.2		3.12	2.03	0.6	0.1

W	E	L	L	.
17.6	2.7	2.6	0.06	

Name: _____

Digit Values

What is the value of the underlined digit?

3̲54.71 - The value of the digit *3* is **3 hundreds**, or **300.**

35̲4.71 - The value of the digit *5* is **5 tens**, or **50.**

354̲.71 - The value of the digit *4* is **4 ones**, or **4.**

354.7̲1 - The value of the digit *7* is **7 tenths**, or **0.7.**

354.71̲ - The value of the digit *1* is **1 hundredth**, or **0.01.**

Write the value of the underlined digit.

a. 24̲5.54 - 40 (4 tens)

b. 681.2̲3 - $\frac{3}{100}$ or 0.03 (3 hundredths)

c. 533.9̲ - $\frac{9}{10}$ or 0.9 (9 tenths)

d. 4̲18.13 - 400 (4 hundreds)

e. 7̲4.98 - 70 (7 tens)

f. 10̲6.5 - 0 (0 tens)

g. 452.2̲0 - $\frac{2}{10}$ or 0.2 (2 tenths)

h. 57.3̲6 - $\frac{6}{100}$ or 0.06 (6 hundredths)

8 4 5 . 8 6

i. In the number above, which digit has the greatest value? 8 (in the hundreds place) (= 800)

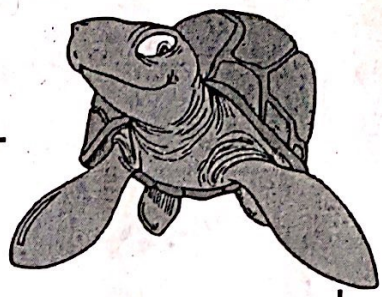
j. In the number above, which digit has the least value? 6 → 0.06 or $\frac{6}{100}$

k. What is the value of the digit in the tenths place of the number above? 0.8 or $\frac{8}{10}$ (8 tenths)

l. What is the value of the digit in the tens place of the number above? 4 → 40 (4 tens)

Name: _____

Comparing Decimals



Use <, >, or = to compare the decimal numbers.

examples:

.65 ____ .56 Look at the tenths place to compare!

Ask yourself: Which is more: 65 out of 100 or 56 out of 100?

.65 > .56

1.02 ____ 1.20 Look at the tenths place to compare!

Ask yourself: Which is more: one and two hundredths or one and twenty hundredths?

1.02 < 1.20

Circle the digit in the place you use to compare

a. .33 < .43

b. .10 < .83

c. .25 > .21

d. .1 < .5

e. .2 < .5

f. .9 > .3

g. 3.3 > 2.3

h. 6.4 < 8.6

i. 7.8 < 9.7

j. 1.21 < 5.10

k. 7.88 = 7.88

l. 5.01 > 2.10

m. 6.91 > 5.19

n. $4.00 < $7.76

o. $10.47 < $10.91

Challenge: ★ $446.90 < $464.90 ★ 4.5 = 4.50

Name: _____ Decimal Addition and Subtraction: Tenths and Hundredths

Decimal Addition and Subtraction

Rewrite each problem vertically, and solve.

a. 7.9 - 3.47 = _____

7.9 → 7.90
-3.47
4.43

Check
4.43
+3.47
7.90 ✓

b. 2.98 + 5.3 = _____ oops!

2.98
+5.30
8.28

c. 2 - 0.43 = _____

2.00 → 1.99 (10)
-0.43
1.57

Check
1.57
+0.43
2.00 ✓

d. 21 + 4.09 = _____ oops!

21.00
+4.09
25.09

e. 55.78 + 4.6 = _____

55.78
+4.60
60.38

f. 80.93 - 68 = _____

80.93
-68.00
12.93

Check ✓
12.93
+68
80.93 ✓

g. 7.05 - 4.6 = _____

7.05
-4.60
2.45

Check ✓
2.45
+4.6
7.05 ✓

h. 94 - 4.8 = _____

94.0
-04.8
89.2

Check ✓
89.2
+4.8
94.0 ✓

i. 32.15 + 24.15 = _____

32.15
+24.15
56.30

j. 17.48 + 9.9 = _____

17.48
+09.90
27.38

k. 123.6 - 0.08 = _____

123.60
-00.08
123.52

Check ✓
123.52
+0.08
123.60 ✓

l. 121.99 + 199.7 = _____

121.99
+199.70
321.69