Student Name: _Key_   Date: _____

5th Grade Cluster 5 Assessment - Decimals

C 1. Jeane bought 2 books to read while on vacation.
- The first book cost $15.45   *15.50*
- The second book cost $9.87   *10*

About how much did Jeane spend on her new books?

A Less than $24   B Between $24 and $25
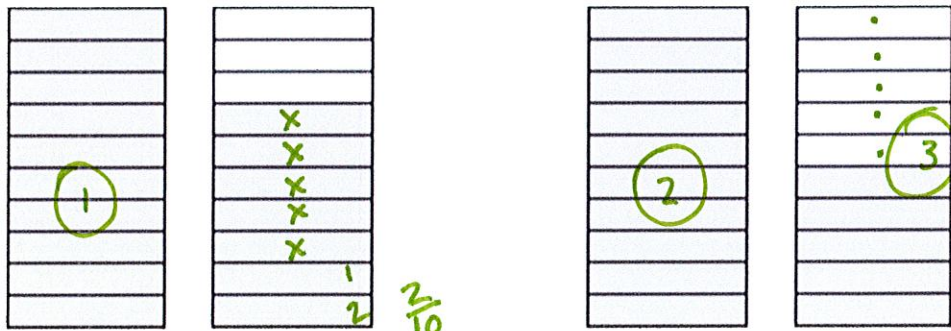C Between $25 and $26   D More than $26

D 2. Alexis drank two bottles of water this morning. One bottle held 12.5 ounces of water. The other bottle held 8.75 ounces of water. She wants to drink at least 32 ounces of water each day. How many more ounces does Alexis need to drink to make her goal?

A 21.25 ounces   B 11.75 ounces
C 11.2 ounces   D 10.75 ounces

12 + 8 = 20
.5 + .75 = 1.25
21.25
+.75
22
+10
32
10.75 = 2

3. The models below are shaded to represent two different decimal numbers.

What is the sum of these shaded decimal numbers?

A 4.2   B 3.2
C 3.02   D 2.12

A 4. Seth and Solomon ran in a relay race. Seth ran the first 200 yards in 33.78 seconds. Then he passed the baton to Solomon. Solomon ran the next 200 yards in 42.55 seconds. It took him 7 seconds longer because he tripped over a rock on the track. What would their total running time be if Solomon had not tripped on the rock?

A 69.33   B 76.33
C 76.26   D 83.33

42.55 - 7
35.55   42.5
40.5

78
5.5
1.33
1.33   +33
+35
69.33

5. Each month Mizrahi pays $62.74 for unlimited texts and calls. There is a new wireless company offering monthly plans for $48.50 unlimited texts plus an additional $5.99 for unlimited calls. If Mizrahi switches plans, how much money would she save each month?

A $54.49   B $18.35
C $14.24   D $8.25

$$\begin{array}{r} 99 \\ 50 \\ \hline 149 \end{array}$$

48 .   49.49

6. Alycia has $10 to use for some new school supplies. She wants to buy a binder for $2.79, a package of markers for $1.25 and 2 packs of ink pens for $ 1.96 each. How much change should she get?

Answer:

	$2	.	0	4

$$\begin{array}{r} 2.79 \\ +1.25 \\ \hline 4.04 \\ 3.92 \\ \hline 7.96 \end{array}$$

$$\begin{array}{r} 1.96 \\ +1.96 \\ \hline 3.92 \end{array} \leftarrow 3.92$$

$$\begin{array}{r} 10.00 \\ -7.96 \\ \hline \$2.04 \end{array}$$

$$\begin{array}{r} 10.00 \\ -2.79 \\ \hline 7.21 \\ -1.25 \\ \hline 5.96 \\ -1.96 \\ \hline 4.00 \\ -1.96 \\ \hline \$2.04 \end{array}$$

7. The vet weighed 3 baby kittens. The kittens weighed 3.9 ounces, 4.25 ounces, and 3.5 ounces. What was the total weight of the 3 kittens?

Answer:

1	1	.	6	5

$$\begin{array}{r} 3.9 \\ 3.5 \\ \hline 7.4 \\ 4.25 \\ \hline 11.65 \end{array}$$

$$\begin{array}{r} 3.9 \\ 4.25 \\ 3.5 \\ \hline 11.65 \end{array}$$

8. Yolanda filled twelve 2-liter bottles with water for a day at the park with her family. Her family drank 11.73 liters. How many liters of water do they have left?

Answer:

1	2	.	2	7

12 2-lt = 24 lt

$$\begin{array}{r} 24.08 \\ -11.73 \\ \hline 12.27 \end{array}$$

$$\begin{array}{r} 12.00 \\ -11.73 \\ \hline .27 \\ +12.00 \\ \hline 12.27 \end{array}$$

9. Mason earned $81.65 for mowing lawns this month. Last month he earned $68.54 for mowing lawns. Estimate how much more money did Mason make this month money lawns?

68 → 81 = $13

10. Wendy wants to download 3 albums to her iPod. The albums cost $9.52, $4.78, and
6 $6.16. Wendy's parents said that she cannot spend more than $20 on the albums. Estimate to determine if Wendy can buy all 3 albums. Can Wendy by all three albums? Explain how you know.

10   5

10 + 5 + 6 = 21   No she cannot buy them.