

Name _____

Date _____

Estimating Decimal Sums and Differences Problems - Guided Lesson Explanation

Explanation#1

We will round each number to the nearest tenth number.

$$.79 + .13 = ?$$

$$.8 + .1 = ?$$

Now add:

$$.8 + .1 = .9$$

The sum is about .9.

Now we will compare our estimate to the exact answer:

$$.79 + .13 = .92$$

So, the answer is .9.

Explanation#2

We will round each number to the nearest hundredth number.

$$5.97 + 8.19 = ?$$

$$6 + 8.20 = ?$$

Now add:

$$6 + 8.20 = 14.20$$

The sum is about 14.20.

Now we will compare our estimate to the exact answer:

$$5.97 + 8.19 = 14.16$$

So, the answer is 14.20.



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Explanation#3

We will round each number to the nearest tenth number.

$$.37 + .89 = ?$$

$$.4 + .9 = ?$$

Now add:

$$.4 + .9 = 1.3$$

The sum is about 1.3.

Now we will compare our estimate to the exact answer:

$$.37 + .89 = 1.26$$

So, the answer is 1.3.

