Warm up

$$1.6 - 9$$

$$2.-5+(-6)$$

$$3.15 - 27$$

$$4.8 + (-2)$$

$$5.-6 + 11$$

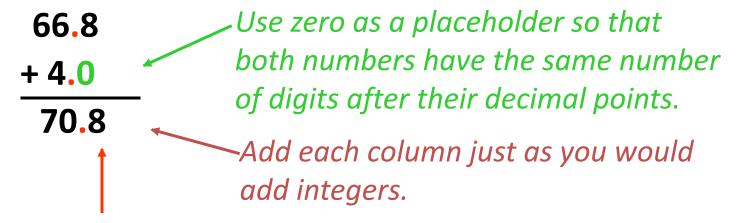
2.2 Adding and Subtracting Decimals

Essential Question:

How do you add and subtract decimals?

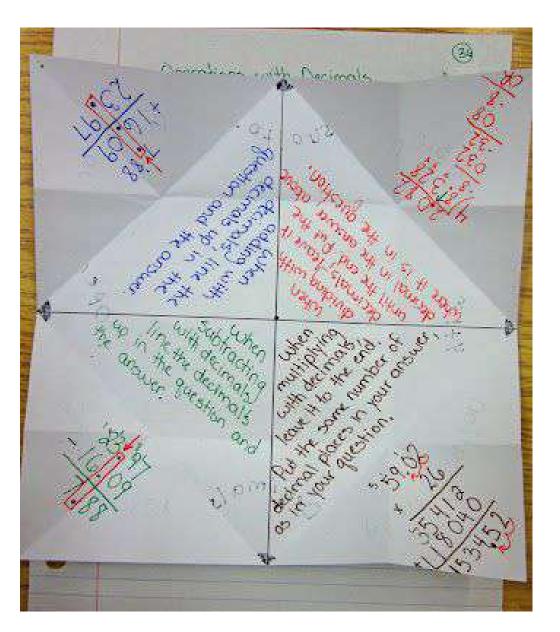
Standard:

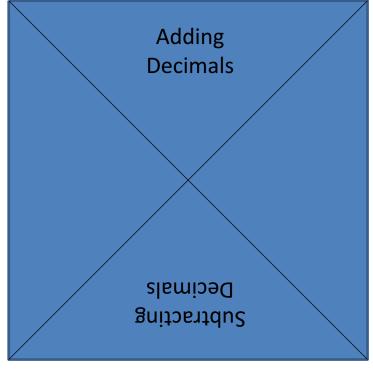
MCC7.NS.1: Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers

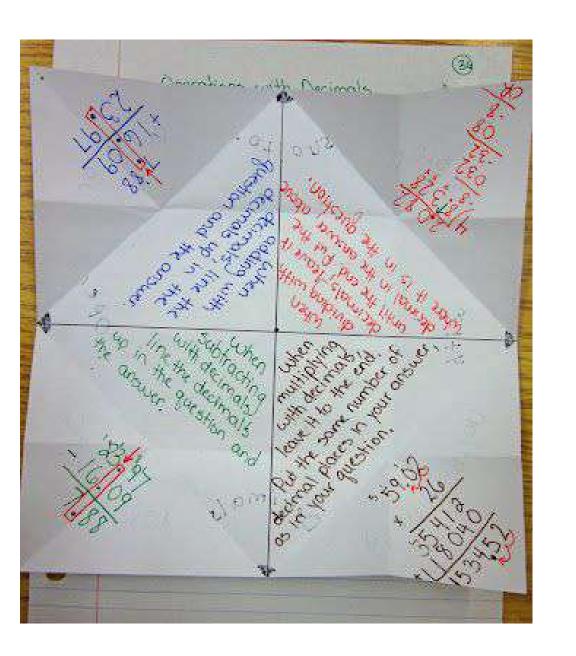


Line up the decimal points.

Just Watch







Adding:

When adding with decimals, line up the decimal in the question and answer

7.88 + 16.09

Additional Example 1A: Adding Decimals

Add. Estimate to check whether each answer is is reasonable.

$$4.55 + 11.3$$

Estimate

Remember!

Same sign add and keep

Different signs subtract

Take the sign of the larger number,

Then you'll be exact.

Additional Example 1C: Adding Decimals

Add. Estimate to check whether each answer is reasonable.

$$-8.33 + (-10.972)$$

$$-8.33 + (-10.972)$$

$$-8.33 + (-10.972) =$$

$$-19.302$$

Estimate

$$-8 + (-11) = -19$$

Line up the decimal points. Use zero as a placeholder. Add.

Use the sign of the two numbers.

-19.302 is a reasonable answer.

Check It Out: Example 1A

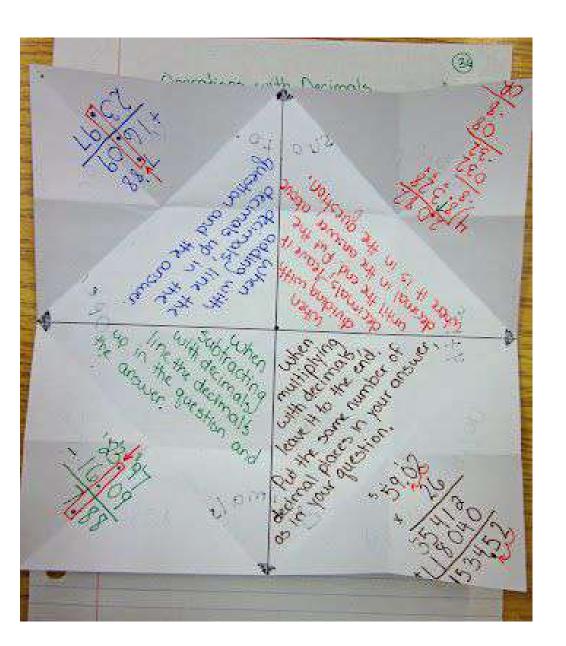
Add. Estimate to check whether each answer is is reasonable.

$$6.78 + (-13.2)$$

Estimate

$$7 + -13 = -6$$

-6.42 is a reasonable answer.



Subtracting:

When subtracting with decimals, line up the decimal in the question and answer Big |x| on top

7.88 - 16.09

Additional Example 2: Subtracting Decimals

Subtract.

A.
$$-5.34 - 2.08$$

Line up the decimal points.

Same sign add.

$$B.28 - 15.911$$

Lesson Review

Solve

Being HW:

Math Book pg 44 # 28-39