#### November 4, 2015 Math 6 Lesson 2.4

Learning Objective: Students will be able to use a formal rule to add and subtract decimals.

## Warm Up

3. 
$$\frac{9}{11} + \frac{1}{11}$$

7. 
$$\frac{6}{19} + \frac{2}{3}$$

11. 
$$\frac{2}{11} + \frac{1}{2}$$

4. 
$$\frac{1}{3} + \frac{2}{17}$$

8. 
$$\frac{1}{3} + \frac{1}{6}$$

12. 
$$\frac{4}{11} + \frac{3}{8}$$

# Warm Up Answers

3. 
$$\frac{9}{11} + \frac{1}{11} = \frac{10}{11}$$

7. 
$$\frac{6}{19} + \frac{2}{3}$$

$$= \frac{56}{57}$$

11. 
$$\frac{2}{11} + \frac{1}{2} = \frac{15}{22}$$

$$4. \frac{1}{3} + \frac{2}{17} \\
= \frac{23}{51}$$

$$8. \ \frac{1}{3} + \frac{1}{6} \\
= \frac{1}{2}$$

12. 
$$\frac{4}{11} + \frac{3}{8}$$
$$= \frac{65}{88}$$

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Lesson 2.4

## Essential Question:

How can you add and subtract decimals?

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## Lesson Objective:

Students will be able to:

use a formal rule to add and subtract decimals.

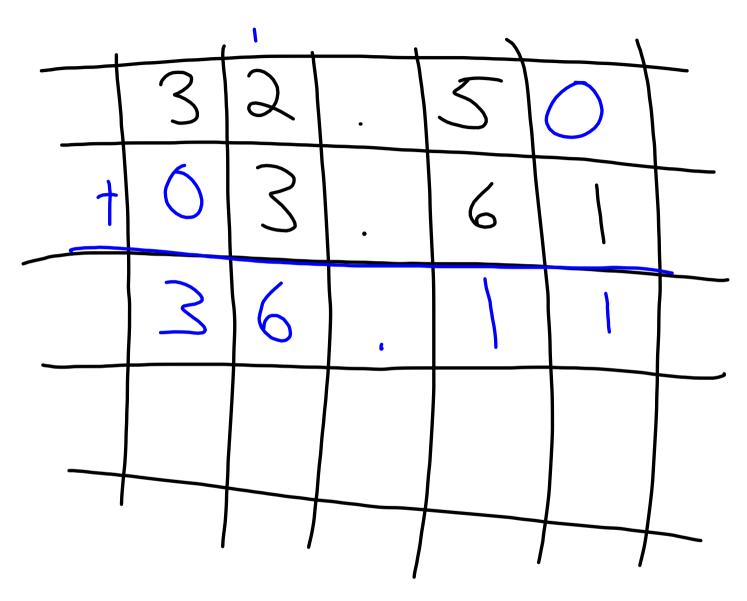
### Self-Evaluation Scale

Score	Description
4	I can teach other students how to use a model and a formal rule to divide with mixed numbers.
3	I can use a model and a formal rule to divide with mixed numbers.
2	I recognize, but still need help to use a model and a formal rule to divide with mixed numbers.
1	I do not know how to use a model and a formal rule to divide with mixed numbers.

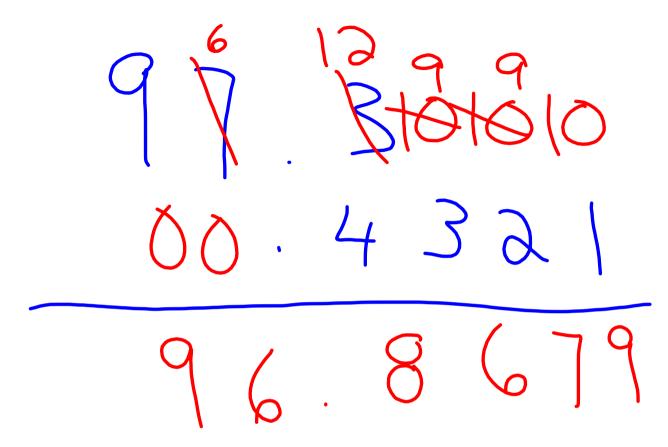


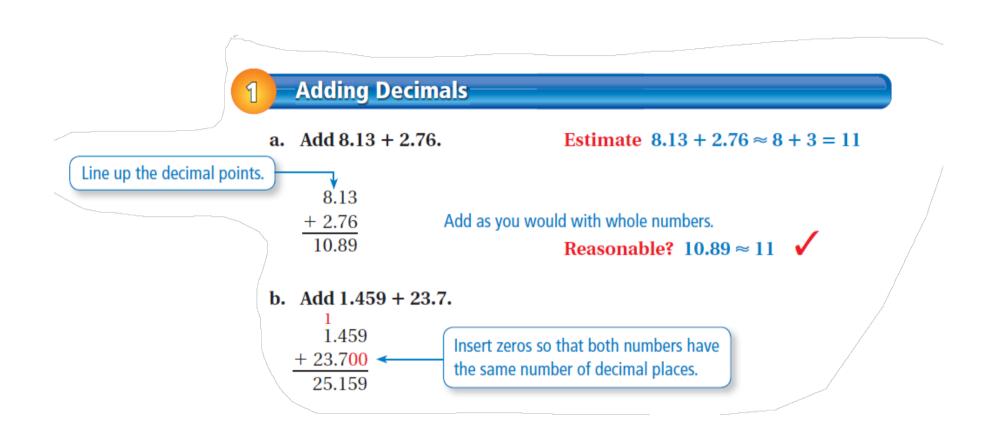
#### **Adding and Subtracting Decimals**

To add or subtract decimals, write the numbers vertically and line up the decimal points. Then bring down the decimal point and add or subtract as you would with whole numbers.



97.3-4321





### **Subtracting Decimals**

a. Subtract 5.508 - 3.174.

Estimate  $5.508 - 3.174 \approx 6 - 3 = 3$ 

Line up the decimal points.

Subtract as you would with whole numbers.

Reasonable?  $2.334 \approx 3$ 



b. Subtract 21.9 - 1.605.

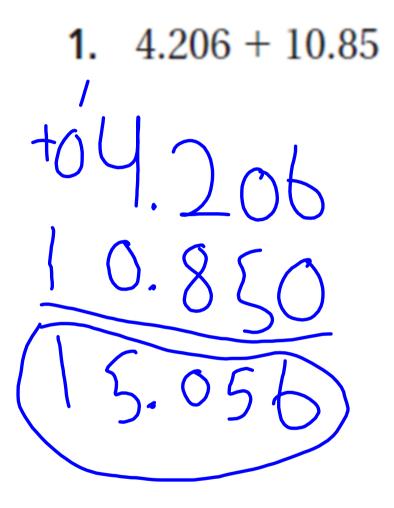
Insert zeros so that both numbers have the same number of decimal places.

## OYO!

#### Add or subtract.

**6.** 18.626 - 13.88

**2.** 15.5 + 8.229



### 3 Real-Life Application

Your meal at the school cafeteria costs \$3.45. Your friend's meal costs \$3.90. You pay for both meals with a \$10 bill. How much change do you receive?

Use a verbal model to solve the problem.

So, you receive \$2.65.

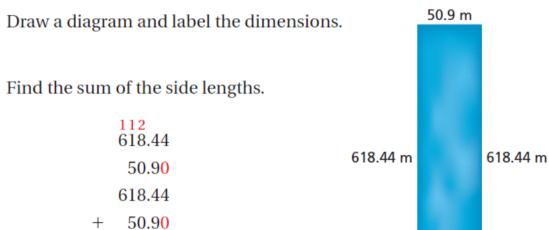
### 4 Real-Life Application



The Lincoln Memorial Reflecting Pool is approximately rectangular. Its width is 50.9 meters, and its length is 618.44 meters. You walk the perimeter of the pool. About how many meters do you walk?

Not drawn to scale

50.9 m

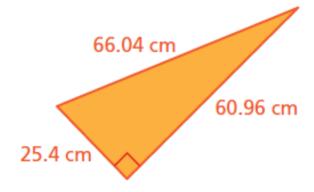


So, you walk about 1339 meters.

1338.68

### OYO 2!

- 7. WHAT IF? In Example 3, your meal costs \$4.10 and your friend's meal costs \$3.65. You pay for both meals with a \$20 bill. How much change do you receive?
- **8.** Find the perimeter of the triangle.



# Assignment

### Complete problems:

5, 9, 12, 16, 23, 24, 28, 30, & 35

on pages 82 & 83 in your Big Ideas Text Book.

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### Homework

In your Big Ideas Record and Practice Journal page 46.