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.
$$\frac{6}{19} + \frac{2}{3}$$
 $\frac{18}{57} + \frac{3}{57}$ 11. $\frac{2}{11} + \frac{1}{2} + \frac{11}{2} + \frac{11}{2} = \frac{15}{22}$

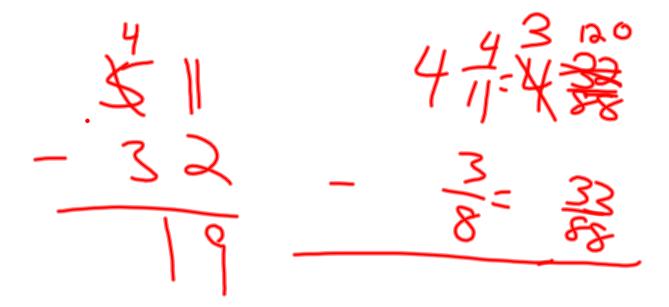
11.
$$\frac{2}{11} + \frac{1}{2} \stackrel{4}{\Rightarrow} + \stackrel{11}{\Rightarrow} \stackrel{2}{\Rightarrow} \stackrel{15}{\Rightarrow} \stackrel{15}{\Rightarrow} \stackrel{15}{\Rightarrow} \stackrel{1}{\Rightarrow} \stackrel{1}{\Rightarrow}$$

4.
$$\frac{1}{3} + \frac{2}{17}$$
 $\frac{17}{51} + \frac{6}{51}$ 8. $\frac{2}{5} + \frac{1}{6} = \frac{2}{5}$ $= \frac{1}{2}$

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

$$= \frac{1}{2}$$

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



Lesson 2.4 November 12, 2014

Essential Question:

How can you add and subtract decimals?

Lesson 2.4 November 12, 2014

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 formal rule to add and subtract decimals.
3	I can use a formal rule to add and subtract decimals.
2	I recognize, but still need help to use a formal rule to add and subtract decimals.
1	I do not know how to use a formal rule to add and subtract decimals.



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.

3.82 + 5

+ 3.82 + 8.8 2

1 Adding Decimals

a. Add 8.13 + 2.76.

Estimate $8.13 + 2.76 \approx 8 + 3 = 11$

Line up the decimal points.

$$8.13$$
 $+ 2.76$
 10.89

Add as you would with whole numbers.

Reasonable? $10.89 \approx 11$



b. Add 1.459 + 23.7.

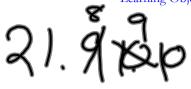
$$1.459$$
 $+ 23.700$
 25.159

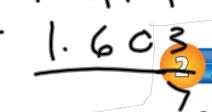
Insert zeros so that both numbers have the same number of decimal places.

99.90

November 12, 2014 Period 3 Lesson 2.4

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





Subtracting Decimals

a. Subtract 5.508 - 3.174.

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

Line up the decimal points.

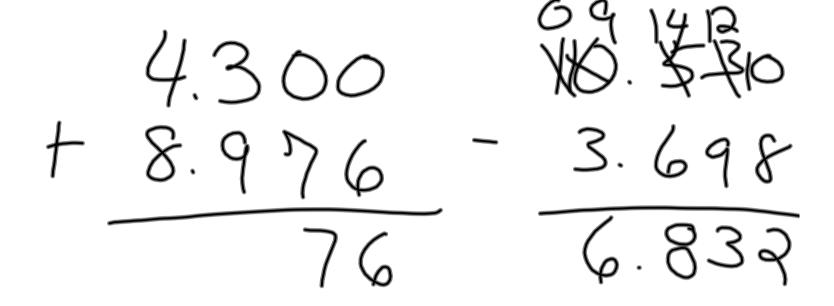
Subtract as you would with whole numbers.

Reasonable? $2.334 \approx 3$



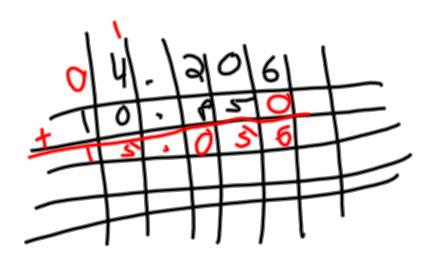
b. Subtract 21.9 - 1.605.

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





Add or subtract.



Lesson 2.4 November 12, 2014

Essential Question:

How can you add and subtract decimals?

Lesson 2.4 November 12, 2014

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 formal rule to add and subtract decimals.
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Homework

In your Big Ideas Record and Practice Journal page 46.