

**MIND.
READY.
MATH.**

Name _____

Class _____ Date _____

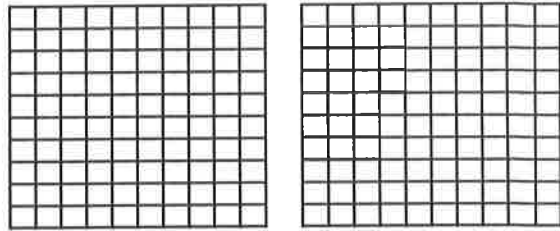
Find the sum.

1. $3.4 + 2.998$

2. $154.9 + 0.9832 + 67.31$

Model of sum of the expression.

$0.87 + 0.92$



Adding Decimals © 2015 NJM

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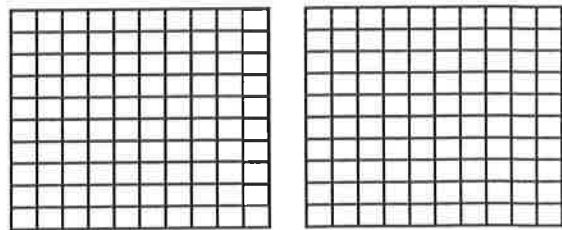
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Model of sum of the expression.

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Adding Decimals © 2015 NJM

Subtracting Decimals: Stack, Attach, and Subtract

Stack up those decimals if you don't mind.
Attach zeroes where needed so things all align.
Subtract the decimals, the difference you'll find.
 Review your work. Yeah, you have time.

<u>Stack</u>	<u>Attach</u>	<u>Subtract</u>	<u>Review</u>
Align the decimal points so that the place values of the digits match. <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{array}{r} 54.09 \\ - 8.3 \\ \hline \end{array}$ </div>	Annex (add) zeroes to the fractional part of the decimal (right of decimal point). <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{array}{r} 54.09 \\ - 08.30 \\ \hline \end{array}$ </div>	Subtract just like whole numbers! Remember to drop down the decimal point. <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{array}{r} 45.79 \\ - 08.30 \\ \hline 45.79 \end{array}$ <p style="text-align: right; margin-right: 20px;">Drop down decimal point.</p> </div>	Always check your work for calculation errors. Also, make sure that your answer reflects what the question or prompt requires for a solution.

Find the difference.

(1) $21.3 - 8.007$	(2) $0.045 - 0.009$	(3) $6.34 - 6.108$	(4) $10.5 - 3.99$	(5) $0.78 - 0.082$
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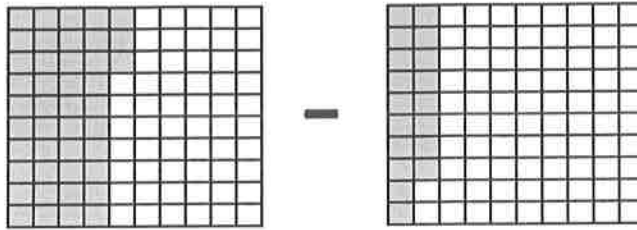
<u>What if the decimals have different signs?</u>	Examples	Your turn
If there are two decimals, use the rules for subtracting integers.	Find the difference: $-15.1 - 10.98$ The opposite of 10.98 is -10.98 $-15.1 + (-10.98)$ $ -15.1 = 15.1$ and $ -10.98 = 10.98$ $15.1 + 10.98 = 26.08$ The difference is -26.08 because both addends are negative.	Find the difference: $-12.36 - 12.137$
If there are more than two decimals, use the order of operations and work left to right.	Find the difference. $5.23 - 1.5 - 0.49$ $(5.23 - 1.5) - 0.49$ $3.73 - 0.49$ 3.24	Find the difference: $6.4 - 0.38 - 2.521$

Name _____ Class _____ Date _____

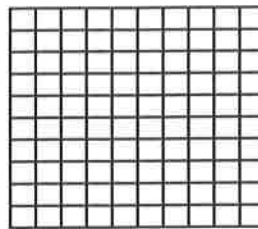
Modeling Decimal Subtraction

10 x 10 grids

Shade in the grids to represent the values of the minuend and the subtrahend. You may also need to represent the value of the difference.



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Decimal subtraction sentence

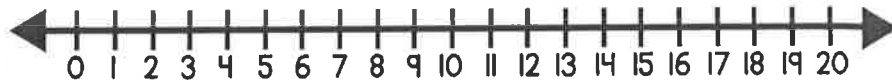
Model the difference of the grids. Write the decimal subtraction sentence in the box.

Number lines

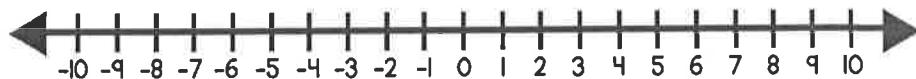
1. Insert a point above the mark representing the first number.
2. Draw a ray the distance of the OPPOSITE of the second number (if positive, go right. If negative, go left).
3. The position of the ray's tip represents the difference.

Use the number lines to represent the difference of the decimals.

$$14.5 - 10.5$$



$$1.5 - (-5.5)$$

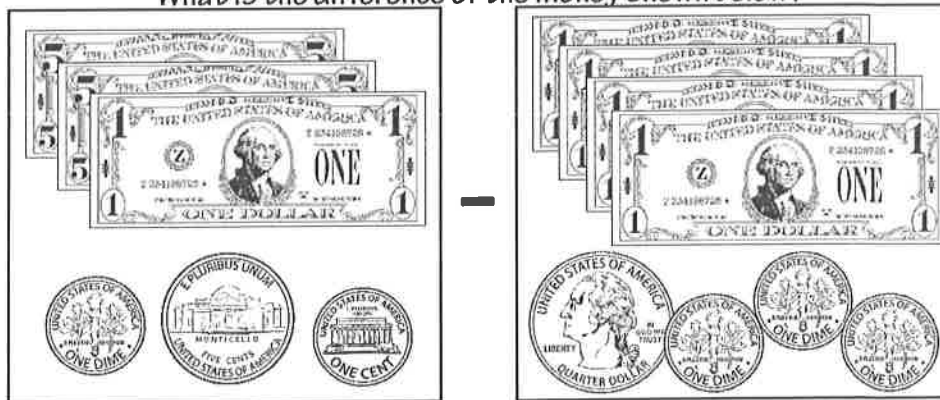


Real World: Money

Most people use decimals everyday! Money (U.S.) represents decimals rounded to the hundredths place.

To model, simply draw money or count money to represent the minuend, subtrahend, and the difference.

What is the difference of the money shown below?



Name _____

Name _____

Meeting in the Middle: Let's Eat Lunch!

You and your partner are going to Burgers! to eat lunch. You also have to get lunch for your friends. Both of you have \$60.00 to spend for the lunches. Each person should take turns rolling dice. Match the sum of the dice with the meal number. Subtract the price of the meal from your balance. Repeat until each person takes four turns. The person with the most money left at the end of four turns wins!

Burgers! Lunch Specials

2	Best Burger \$7.49	7	Any Way Burger \$10.00
3	Best Cheeseburger \$8.25	8	Veggie Burger \$9.75
4	Bacon Cheeseburger \$8.99	9	Bun-less Burger \$6.50
5	BBQ Burger \$7.89	10	Double Best Burger \$11.49
6	Hot & Spicy Burger \$9.25	11	Double Cheeseburger \$12.25
		12	Burger Sliders \$5.99

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First Roll

Second Roll

Third Roll

Fourth Roll

Fourth Roll

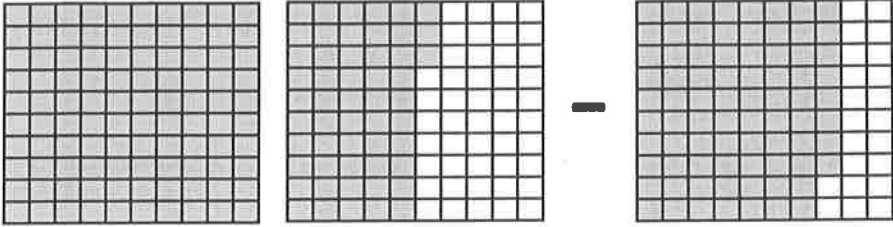
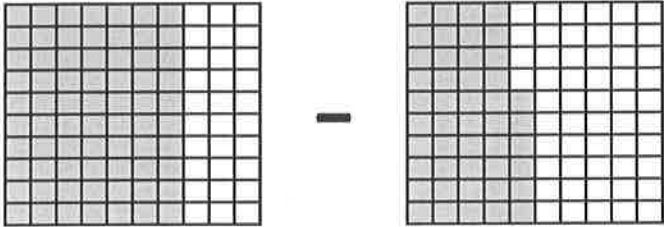
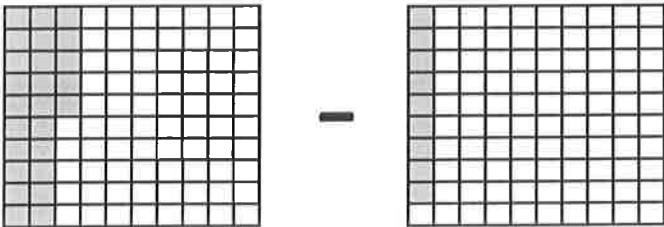
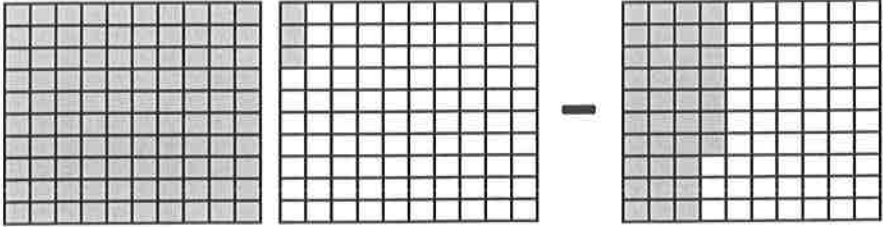
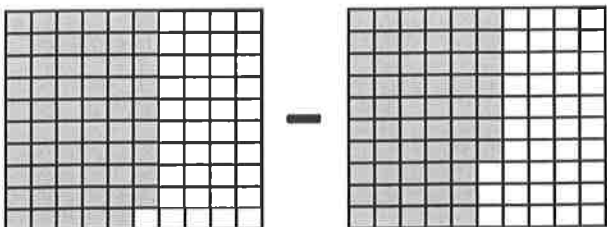
Third Roll

Second Roll

First Roll

Models. INK. {Subtracting Decimals}

Review the models. "Ink" the models by recording the values they represent and finding the differences.

Models	INK
	
	
	
	
	

Subtracting Decimals Exit Ticket

Name _____

Class _____

Date _____

Find the difference.

1. $6.4 - 0.7639$

2. $348.41 - 29.9051$

3. $72.3 - 70.2016 - 0.84$

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Name _____ Class _____ Date _____

Score

Subtracting Decimals Homework

<p>1. Find the difference.</p> <p style="text-align: center;">$7.1 - 6.804$</p>	<p>2. Find the difference.</p> <p style="text-align: center;">$52.978 - 39.09$</p>	<p>3. Find the difference.</p> <p style="text-align: center;">$0.93 - 0.0746$</p>	<p>4. Find the difference.</p> <p style="text-align: center;">$1.8 - 1.283$</p>	<p>5. Find the difference.</p> <p style="text-align: center;">$0.0835 - 0.0829$</p>
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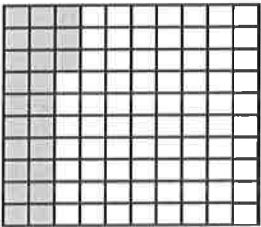
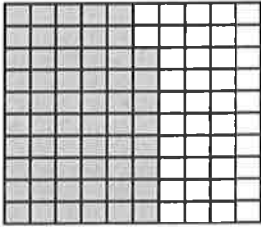
6. Find the difference.

$32.09 - 8.91 - 20.6152$

7. Find the difference.

$194.484 - 75.9 - 58.0063$

8. Record the values represented by the 10×10 grids. Find the difference.


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9. Use the rules for subtracting integers to explain why $45.31 - 30.876$ and $45.31 + (-30.876)$ have the same value in 2-4 sentences. Include the value of the expressions in your response.