

Take out the ws you were assigned on Friday.

Adding and subtracting Rational Numbers/Multiply Decimals

$-3.5 + (-4.9) + 0.8$ <i>22 problems</i>	$-0.25 + (-1.65) + 0.77$	$-1.091 + 12.12 + (-1.1)$
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Staple your test corrections to the front of your original test.

Operations with Integers Test

Module 17 and 18

We will correct Spiral Review 4

Corrections are due Friday.

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$\begin{array}{r} -3.5 + (-4.9) + 0.8 \\ -3.5 \\ + -4.9 \\ \hline -8.4 + 0.8 \\ \hline -7.6 \end{array}$	$\begin{array}{r} -0.25 + (-1.65) + 0.77 \\ -0.25 \\ + -1.65 \\ \hline -1.90 + 0.77 \\ \hline -1.13 \end{array}$	$\begin{array}{r} -1.091 + 12.12 + (-1.1) \\ -1.091 + (-1.1) + 12.12 \\ -2.191 + 12.12 \\ \hline 9.929 \end{array}$
$\begin{array}{r} -3.24 + (-1.55) + 2.512 \\ -3.24 \\ + -1.55 \\ \hline -4.79 + 2.512 \\ \hline -2.278 \end{array}$	$\begin{array}{r} -1.27 + (-0.35) + (-0.13) \\ -1.27 \\ + -0.35 \\ \hline -1.62 + (-0.13) \\ \hline -1.75 \end{array}$	$\begin{array}{r} 0.3 + -5.5 + 5.2 \\ \hline -5.5 + 5.5 \\ \hline 0 \end{array}$

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$\begin{array}{r} \text{K C C} \\ -1.5 + 4.9 - 0.8 \\ \hline -1.5 \\ + -4.9 \\ \hline -6.4 + -0.8 \\ \hline -7.2 \end{array}$	$\begin{array}{r} \text{K C C} \\ -9.54 + 1.651 - 0.988 \\ \hline -9.540 \\ + -1.651 \\ \hline -11.191 + 0.988 \\ \hline -11.191 \\ + -0.988 \\ \hline -12.179 \end{array}$	$\begin{array}{r} \text{K C C} \\ -0.03 + (+5.51) - 5.12 \\ \hline 5.51 \\ - 0.03 \\ \hline 5.48 - 5.12 \\ \hline 5.48 \\ - 5.12 \\ \hline 0.36 \end{array}$
$\begin{array}{r} \text{K C C} \\ -1.099 + 12.001 - 0.09 \\ \hline -1.099 \\ + -12.001 \\ \hline -13.100 + 0.09 \\ \hline -13.19 \end{array}$	$\begin{array}{r} \text{K C C} \\ -1.02 + 1.99 - 1.34 \\ \hline -1.02 \\ + -1.99 \\ \hline -3.01 + 1.34 \\ \hline -3.01 \\ + -1.34 \\ \hline -4.35 \end{array}$	$\begin{array}{r} \text{K C C} \\ -1.65 + (+0.45) - (-0.15) \\ \hline 1.65 \\ - 0.45 \\ \hline -1.20 + (+0.15) \\ \hline 1.20 \\ - 0.15 \\ \hline -1.05 \end{array}$

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Marley bought an action figure for \$10.99, a board game for \$24.95 and a book for \$5.99. She paid with a \$50 bill. How much change did Marley receive?

$$\begin{array}{r} 10.99 \\ + 24.95 \\ + 5.99 \\ \hline 41.93 \end{array} \quad \begin{array}{r} 50.00 \\ - 41.93 \\ \hline 8.07 \end{array}$$

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Tim bought a pen for \$2.25, a pencil for \$0.59, a notebook for \$6.49, and a highlighter for \$1.49. He used a coupon that gave him \$5.25 off his entire purchase. How much did he spend in total?

$$\begin{array}{r}
 2.25 \\
 + 0.59 \\
 6.49 \\
 + 1.49 \\
 \hline
 10.82 \\
 - 5.25 \\
 \hline
 5.57
 \end{array}$$

Alex's score for a game is given by the expression $9 - 8.2 - (-1.9)$. Beth's score for the same game is $-8 - (-5.4) - 1.8$. Whose score was higher? By how much?

Alex: $9 - 8.2 - (-1.9) = 0.8 + 1.9 = 2.7$

Beth: $-8 + 5.4 - 1.8 = -4.4$

7.1 pts higher

If x equals $8 - (-2.25)$ and y equals $6 - 4.2 - (-4.9)$, what is the value of $x - y$?

x = $8 + 2.25 = 10.25$

y = $6 - 4.2 - (-4.9) = 1.8 + 4.9 = 6.7$

$10.25 - 6.7 = 3.55$

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0.7×0.85 $0.85 \leftarrow 2$ $\times 0.7 \leftarrow 1$ \hline $0.595 \leftarrow 3$	4.699×1.74 $4.699 \leftarrow 3$ $\times 1.74 \leftarrow 2$ \hline $8.17626 \leftarrow 5$	5.593×19.71 5.593 $\times 19.71$ \hline 110.23803
3.05×1.95 $3.05 \leftarrow 2$ $\times 1.95 \leftarrow 2$ \hline $5.9475 \leftarrow 4$	0.45×2.3 $0.45 \leftarrow 2$ $\times 2.3 \leftarrow 1$ \hline $1.035 \leftarrow 3$	10.37×5.086 $10.37 \leftarrow 2$ $\times 5.086 \leftarrow 3$ \hline $52.74182 \leftarrow 5$

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Multiply rational numbers

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LESSON
5.4 Dividing Decimals

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pg. 126

Dividing Decimals by Whole Numbers

Dividing decimals is similar to dividing whole numbers. When you divide a decimal by a whole number, the placement of the decimal point in the quotient is determined by the placement of the decimal in the dividend.

EXAMPLE 1



FL 6.NS.2.3

- A** A high school track is 9.76 meters wide. It is divided into 8 lanes of equal width for track and field events. How wide is each lane?

Divide using long division as with whole numbers.

Place a decimal point in the quotient directly above the decimal point in the dividend.

Each lane is 1.22 meters wide.

$$\begin{array}{r} 1.22 \\ 8 \overline{)9.76} \\ \underline{-8} \\ 17 \\ \underline{-16} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

- B** Aerobics classes cost \$153.86 for 14 sessions. What is the fee for one session?

Divide using long division as with whole numbers.

Place a decimal point in the quotient directly above the decimal point in the dividend.

The fee for one aerobics class is \$10.99.

$$\begin{array}{r} 10.99 \\ 14 \overline{)153.86} \\ \underline{-14} \\ 13 \\ \underline{-0} \\ 138 \\ \underline{-126} \\ 126 \\ \underline{-126} \\ 0 \end{array}$$

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YOUR TURN

Divide.

3. $5 \overline{)9.75}$

4. $7 \overline{)6.44}$

$$\begin{array}{r} 0.92 \\ 7 \overline{)6.44} \\ \underline{-63} \\ 14 \\ \underline{-14} \\ 0 \end{array}$$

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Dividing a Decimal by a Decimal

When dividing a decimal by a decimal, first change the divisor to a whole number by multiplying by a power of 10. Then multiply the dividend by the same power of 10. pg. 127

A Ella uses 0.5 pound of raspberries in each raspberry cake that she makes. How many cakes can Ella make with 3.25 pounds of raspberries?

STEP 1 The divisor has one decimal place, so multiply both the dividend and the divisor by 10 so that the divisor is a whole number.

$0.5 \times 10 = 5$

$3.25 \times 10 = 32.5$

Ella can make 6 cakes.

STEP 2 Divide.

$$\begin{array}{r} 6.5 \\ 5 \overline{)32.5} \\ \underline{-30} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

B Anthony spent \$11.52 for some pens that were on sale for \$0.72 each. How many pens did Anthony buy?

STEP 1 The divisor has two decimal places, so multiply both the dividend and the divisor by 100 so that the divisor is a whole number.

$0.72 \times 100 = 72$

$11.52 \times 100 = 1152$

Anthony bought 16 pens.

STEP 2 Divide.

$$\begin{array}{r} 16 \\ 72 \overline{)1152} \\ \underline{-72} \\ 432 \\ \underline{-432} \\ 0 \end{array}$$

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YOUR TURN

Divide.

5. $0.5 \overline{)4.25}$

$\times 10 \quad \times 10$

$$\begin{array}{r} 8.5 \\ 5 \overline{)42.5} \\ \underline{-40} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

$$\begin{array}{r} 18 \\ 84 \overline{)1512} \\ \underline{-84} \\ 672 \\ \underline{-672} \\ 0 \end{array}$$

6. $0.84 \overline{)15.12}$

$\times 100 \quad \times 100$

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HW - Textbook page 129

22 - 28

8 Problems (25 has a & b)

ALL WORK must be completed in your spiral/comp notebook or
loose leaf paper set with boxes.

Operations with decimal test - FRIDAY

Spiral Review 5 due FRIDAY

Spiral Review 4 corrections due FRIDAY

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