

Rm. 9

## 5th Grade Homework

Language worksheets will be given  
on Thursday, March 8th.

Due date: March 15, 2018

Ms. Ennamarie / Ms. MaryAnn

## 5<sup>th</sup> Spelling and Vocabulary

mahogany

magnitude

maintain

malleable

marmalade

massive

mediocre

meticulous

millennium

miscellaneous

monsoon

mosaic

multitude

mystify

Name \_\_\_\_\_

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## Operation Fraction Action

Here is a chance to practice your fraction skills.

Write each answer as a fraction or a mixed number in simplest form.

$$1. \quad \begin{array}{r} \frac{4}{8} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ + \frac{6}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 2\frac{2}{3} \\ + 3\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{6} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} \frac{2}{5} \\ + \frac{4}{15} \\ \hline \end{array}$$

$$\begin{array}{r} 3\frac{3}{4} \\ + 6\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{6} \\ - \frac{2}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{8}{9} \\ - \frac{5}{9} \\ \hline \end{array}$$

$$3. \quad \begin{array}{r} \frac{4}{5} \\ - \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{4} \\ - \frac{3}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 9\frac{2}{3} \\ - 4\frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 7\frac{2}{5} \\ - 4\frac{2}{3} \\ \hline \end{array}$$

$$4. \quad \begin{array}{r} 2\frac{4}{18} \\ - 2\frac{3}{18} \\ \hline \end{array}$$

$$\begin{array}{r} 3\frac{4}{5} \\ + 10\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 6\frac{3}{4} \\ - 3\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 1\frac{5}{8} \\ + 2\frac{7}{24} \\ \hline \end{array}$$

$$5. \quad \frac{1}{5} \times \frac{3}{7} =$$

$$2\frac{2}{5} \times 10 =$$

$$1\frac{1}{6} \times 3\frac{3}{8} =$$

$$3\frac{2}{5} \times \frac{1}{6} =$$

$$6. \quad 7 \div \frac{1}{4} =$$

$$1\frac{3}{8} \div \frac{2}{4} =$$

$$\frac{2}{5} \div 8 =$$

$$\frac{1}{3} \div 2\frac{3}{4} =$$

$$7. \quad 2\frac{1}{4} \times 1\frac{7}{12} =$$

$$\frac{6}{10} \div \frac{1}{5} =$$

$$2\frac{2}{7} \times \frac{6}{9} =$$

$$2\frac{2}{9} \div \frac{5}{8} =$$

$$8. \quad \frac{4}{7} \times 2\frac{8}{9} =$$

$$\frac{6}{13} \times \frac{2}{3} =$$

$$3\frac{1}{3} \div \frac{4}{9} =$$

$$12 \div 2\frac{7}{8} =$$

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## Fractions to Decimals

Use equivalent fractions to write fractions as decimals.

### Examples:

Solve:

Write  $\frac{1}{5}$  as a decimal in tenths.

Rewrite  $\frac{1}{5}$  as a fraction with a denominator of 10.

$$\frac{1 \times 2}{5 \times 2} = \frac{2}{10} = .2$$

Solve:

Write  $\frac{3}{4}$  as a decimal in hundredths.

Rewrite  $\frac{3}{4}$  as a fraction with a denominator of 100.

$$\frac{3 \times 25}{4 \times 25} = \frac{75}{100} = .75$$



For my next trick, I'll change this fraction into a decimal.

Solve:

Write  $2 \frac{14}{125}$  as a decimal in thousandths.

Rewrite  $2 \frac{14}{125}$  as a whole number plus a fraction with a denominator of 1,000.

$$2 + \frac{14 \times 8}{125 \times 8} = 2 + \frac{112}{1,000} = 2 \frac{112}{1,000} = 2.112$$

### Write each fraction or mixed number as a decimal in tenths.

1.  $\frac{1}{2}$        $\frac{2}{5}$        $\frac{3}{10}$        $3 \frac{4}{5}$        $4 \frac{6}{10}$

### Write each fraction or mixed number as a decimal in hundredths.

2.  $\frac{2}{4}$        $1 \frac{1}{10}$        $\frac{9}{25}$        $3 \frac{16}{50}$        $\frac{3}{5}$
3.  $4 \frac{7}{20}$        $\frac{1}{2}$        $2 \frac{8}{100}$        $\frac{4}{10}$        $\frac{24}{25}$
4.  $\frac{1}{4}$        $6 \frac{15}{20}$        $\frac{4}{5}$        $7 \frac{5}{100}$        $\frac{26}{50}$

### Write each fraction or mixed number as a decimal in thousandths.

5.  $\frac{3}{8}$        $\frac{1}{5}$        $5 \frac{12}{25}$        $\frac{25}{40}$        $3 \frac{7}{100}$
6.  $\frac{28}{500}$        $1 \frac{3}{250}$        $\frac{1}{4}$        $8 \frac{18}{50}$        $\frac{56}{125}$
7.  $6 \frac{1}{2}$        $\frac{789}{1000}$        $4 \frac{40}{250}$        $\frac{2}{125}$        $2 \frac{5}{8}$

**Food Fractions: Problem Solving****Solve each problem.**

1. A box contains 10 ounces of cereal. If one serving is  $1\frac{1}{4}$  ounces, how many servings are in the box?

There are \_\_\_\_ servings in the cereal box.

2. A can of soup contains  $22\frac{3}{4}$  ounces. If one can contains  $3\frac{1}{2}$  servings of soup, how many ounces are in one serving?

There are \_\_\_\_ ounces of soup in one serving.

3. Ten melons weigh  $17\frac{1}{2}$  pounds. What is the average weight of each melon?

The average weight of each melon is \_\_\_\_ pounds.

4. Christine bought  $\frac{3}{4}$  pounds of grapes to put in her sack lunches. If she eats the same amount each day and finishes the grapes in 5 days, how much does she eat each day?

She eats \_\_\_\_ ounces of grapes each day.

5. Mrs. Wilson bought  $5\frac{1}{2}$  feet of licorice to share equally with her 5 children and herself. How many feet of licorice will each person receive? How many inches of licorice will each person receive?

Each person will receive \_\_\_\_ feet or \_\_\_\_ inches of licorice.

**Think:**

How many inches are in a foot?

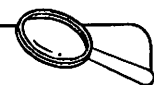


6. Mrs. Wilson bought a 35-ounce package of flour. She used  $\frac{1}{3}$  of it to bake 5 loaves of bread. How many ounces of flour were in each loaf of bread?

There are \_\_\_\_ ounces of flour in each loaf of bread.

**Clue:**

Solve a simpler problem first. How much of the flour did she use?



7. Mrs. Wilson bought a  $2\frac{3}{4}$  pound roast for their family dinner. A total of 9 people will be at the dinner. How many ounces of roast will each person get if the roast is divided up equally?

Each person will get \_\_\_\_ ounces of roast.

Name \_\_\_\_\_

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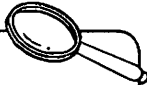
## Adding and Subtracting Decimals

### Problem Solving—Mind Over Money

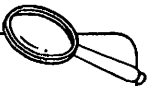
Ginny took the money she earned babysitting and went to the movies. She spent **\$3.90** for her ticket. Then she spent **half** of the remaining money on popcorn. On the way home she bought an ice cream for **\$1.49**. When she got home, she had **\$0.81** left of her earnings. How much did she earn babysitting?

\$0.81	→	Start with the money left over.
<u>+ 1.49</u>	→	add money spent on ice cream cone
2.30	→	half of remaining money
<u>+ 2.30</u>	→	add other half of money spent on popcorn
4.60	→	money remaining after buying ticket
<u>+ 3.90</u>	→	add money spent on ticket
<b>\$8.50</b>	→	<b>money that Ginny earned babysitting</b>

- An owner of a retail clothing store bought a dress for \$36.25 and sold it for \$59.99. What was her profit? Hint: A *profit* is what you make after you take out your expenses.
- A pair of running shoes costs \$22.29. The store owner wanted to make a profit of \$18.50. What should the selling price be?
- Malcolm spent \$48.74 on new speakers and \$25.39 on computer games. When he was finished, he only had \$0.58 left. How much money did Malcolm have before he went shopping?
- In the town of Sleepy Oak, the fine for a speeding ticket is \$32.65 +  $s$  dollars, where  $s$  is the miles per hour over the speed limit.
  - What is the fine for going 38.4 miles per hour in a 25-mile-per-hour school zone? Hint: First find out how many miles over the speed limit 38.4 is.
 



**Clue:**  
Solve a simpler problem.
  - Mr. Thomas was fined \$50.15 for speeding in the same school zone. How fast was he driving? Hint: First find the difference between Mr. Thomas's fine and the base fine of \$32.65.
- Hailey received some cash for her birthday. She spent \$14.48 on a CD and donated \$25.00 to charity. She put half of what was left into her savings account. She has \$17.76 left. How much did she receive on her birthday?
 



**Clue:**  
Work backwards.

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**Multiplying Decimals**Multiply  $32 \times 0.43$ **Step 1**

Multiply the factors as if the decimal point weren't there.

$$\begin{array}{r} 32 \\ \times 0.43 \\ \hline 96 \\ + 1280 \\ \hline 1376 \end{array}$$

**Step 2**

Count the number of decimal places. Then put the decimal point in the product.

$$\begin{array}{r} 32 \leftarrow 0 \text{ decimal places} \\ \times 0.43 \leftarrow 2 \text{ decimal places} \\ \hline 96 \\ + 1280 \\ \hline 13.76 \leftarrow 2 \text{ decimal places in all} \end{array}$$

**Remember:**

Count the decimal places to the right of the decimal.

**Find each product.**

1.	$\begin{array}{r} 0.4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 0.9 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 0.12 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4.9 \\ \times 8 \\ \hline \end{array}$
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2.	$\begin{array}{r} 4.5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2.81 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 1.76 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3.03 \\ \times 6 \\ \hline \end{array}$
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3.	$\begin{array}{r} 2.8 \\ \times 34 \\ \hline \end{array}$	$\begin{array}{r} 6.2 \\ \times 13 \\ \hline \end{array}$	$\begin{array}{r} 3.7 \\ \times 65 \\ \hline \end{array}$	$\begin{array}{r} 0.17 \\ \times 14 \\ \hline \end{array}$
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4.	$\begin{array}{r} 0.52 \\ \times 26 \\ \hline \end{array}$	$\begin{array}{r} 0.208 \\ \times 21 \\ \hline \end{array}$	$\begin{array}{r} 0.836 \\ \times 52 \\ \hline \end{array}$	$\begin{array}{r} 0.92 \\ \times 27 \\ \hline \end{array}$
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5.	$\begin{array}{r} 9.909 \\ \times 54 \\ \hline \end{array}$	$\begin{array}{r} 302.6 \\ \times 83 \\ \hline \end{array}$	$\begin{array}{r} 3.208 \\ \times 91 \\ \hline \end{array}$	$\begin{array}{r} 5.634 \\ \times 49 \\ \hline \end{array}$
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# Dividing Decimals by Whole Numbers



Divide  $3.25 \div 5$

### Step 1

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

$$\begin{array}{r} \downarrow \\ 5 \overline{) 3.25} \\ \uparrow \end{array}$$

**Remember:**

The **dividend** is 3.25 because it is the number that is to be divided.

### Step 2

Then, divide as you would whole numbers.

$$\begin{array}{r} 0.65 \\ 5 \overline{) 3.25} \\ \underline{-30} \phantom{0} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

### Step 3

Check by multiplying.

$$\begin{array}{r} 0.65 \\ 5 \overline{) 3.25} \\ \phantom{0} \searrow \\ \phantom{0} 0.65 \\ \phantom{0} \times \phantom{0} 5 \\ \phantom{0} \hline \phantom{0} 3.25 \end{array}$$

## Divide. Check your work.

1.  $8 \overline{) 2.4}$

$8 \overline{) 0.24}$

$3 \overline{) 0.69}$

$3 \overline{) 0.069}$

2.  $2 \overline{) 45.4}$

$2 \overline{) 4.54}$

$7 \overline{) \$34.37}$

$5 \overline{) 0.105}$

3.  $6 \overline{) 120.6}$

$6 \overline{) 12.06}$

$4 \overline{) 2.44}$

$6 \overline{) \$2.76}$

4.  $6 \overline{) 5.88}$

$4 \overline{) 7.36}$

$8 \overline{) 7.592}$

$8 \overline{) \$10.40}$

5.  $6 \overline{) 0.6732}$

$8 \overline{) 68.328}$

$5 \overline{) \$543.20}$

$7 \overline{) 0.266}$