

Dear Fifth Grade Students,

Here is your summer Math packet. Along with the worksheets I would like you to complete the following IXL modules:

Module A: Lessons 1 and 2

Module B: Lesson 2

Module C: Lessons 2, 5, and 20


Module K: Lessons 4 and 5

Module L: Lesson 4

Module M: Lessons 11, 12, and 13

I ask that you try your best to complete as much of the work as possible and if you have any questions or problems feel free to contact me. My email address is [ldelillo@visitationacademy.org](mailto:ldelillo@visitationacademy.org). I am looking forward to seeing you all in September. I know that we are going to have a great year together. I hope you all enjoy your summer!!

Sincerely,

  
Mrs. DeLillo

**Lesson 2.1** Understanding Place Value (to hundreds)

Write each number in expanded form.

	a	b	c	d
1.	54 <u>50+4</u>	608 _____	32 _____	421 _____
2.	430 _____	549 _____	75 _____	699 _____
3.	one hundred thirty-two _____	seven hundred twenty-one _____	thirty-nine _____	eighty-seven _____
4.	nine hundred eleven _____	five hundred thirteen _____	one hundred ninety _____	seventy _____

Write the numerical value of the digit in the place named.

	a	b	c	d
5.	872 tens <u>70</u>	934 hundreds _____	326 ones _____	304 ones _____
6.	799 hundreds _____	663 tens _____	309 tens _____	995 hundreds _____

Write the number word.

7. 85,034  
\_\_\_\_\_8. 11,987  
\_\_\_\_\_

## Lesson 2.2 Understanding Place Value (to hundred thousands)

Write the number word.

1. 152,731

\_\_\_\_\_

2. 985,685

\_\_\_\_\_

Tell the digit in the place named.

3. <sup>a</sup>  
50,975  
ten thousands

\_\_\_\_\_

<sup>b</sup>  
986,580  
hundred thousands

\_\_\_\_\_

4. 179,802  
thousands

\_\_\_\_\_

506,671  
ten thousands

\_\_\_\_\_

5. 865,003  
ten thousands

\_\_\_\_\_

997,780  
hundred thousands

\_\_\_\_\_

Write each number in expanded form.

6. 653,410

\_\_\_\_\_

76,982

\_\_\_\_\_

7. sixty-two thousand  
five hundred twelve

\_\_\_\_\_

103,254

\_\_\_\_\_

8. 199,482

\_\_\_\_\_

32,451

\_\_\_\_\_



**Lesson 2.3** Rounding

Round 15,897 to the nearest thousand.  
Look at the hundreds digit. 15,897

8 is greater than or equal to 5, so round  
5 to 6 in the thousands place. Follow  
with zeros.

16,000

Round 234,034 to the nearest hundred.  
Look at the tens digit. 234,034

3 is less than 5, so 0 stays in the  
hundreds place. Follow with zeros.

234,000

Round to the nearest ten.

	a	b	c	d	e	f
1.	6,421	5,882	45,288	975	13,936	842
<hr/>						
2.	9,855	26,917	984	95,645	8,673	29,981
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Round to the nearest hundred.

3.	325,793	49,832	123,652	24,635	199,794	79,342
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4.	798,759	58,345	9,873	8,375	10,097	1,987,654
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Round to the nearest thousand.

5.	567,523	93,567	4,378	12,499	747,399	9,385
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6.	987,436	346,436	98,345	8,564	75,459	187,349
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**Lesson 4.9** Multiplying 3 Digits by 2 Digits (renaming)

Multiply.

	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
<b>1.</b>	$\begin{array}{r} 315 \\ \times 30 \\ \hline \end{array}$	$\begin{array}{r} 527 \\ \times 42 \\ \hline \end{array}$	$\begin{array}{r} 287 \\ \times 21 \\ \hline \end{array}$	$\begin{array}{r} 242 \\ \times 70 \\ \hline \end{array}$	$\begin{array}{r} 209 \\ \times 30 \\ \hline \end{array}$	$\begin{array}{r} 813 \\ \times 17 \\ \hline \end{array}$

<b>2.</b>	$\begin{array}{r} 140 \\ \times 32 \\ \hline \end{array}$	$\begin{array}{r} 196 \\ \times 23 \\ \hline \end{array}$	$\begin{array}{r} 673 \\ \times 92 \\ \hline \end{array}$	$\begin{array}{r} 542 \\ \times 48 \\ \hline \end{array}$	$\begin{array}{r} 604 \\ \times 40 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ \times 45 \\ \hline \end{array}$
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<b>3.</b>	$\begin{array}{r} 713 \\ \times 67 \\ \hline \end{array}$	$\begin{array}{r} 900 \\ \times 42 \\ \hline \end{array}$	$\begin{array}{r} 198 \\ \times 72 \\ \hline \end{array}$	$\begin{array}{r} 513 \\ \times 58 \\ \hline \end{array}$	$\begin{array}{r} 841 \\ \times 71 \\ \hline \end{array}$	$\begin{array}{r} 379 \\ \times 84 \\ \hline \end{array}$
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<b>4.</b>	$\begin{array}{r} 125 \\ \times 73 \\ \hline \end{array}$	$\begin{array}{r} 706 \\ \times 31 \\ \hline \end{array}$	$\begin{array}{r} 448 \\ \times 33 \\ \hline \end{array}$	$\begin{array}{r} 809 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 615 \\ \times 73 \\ \hline \end{array}$	$\begin{array}{r} 458 \\ \times 83 \\ \hline \end{array}$
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**Lesson 5.9** Dividing 4 Digits

$$21 \div 6 = 3$$

remainder 3

$$\begin{array}{r} 3 \\ 6 \overline{)2142} \\ \underline{-18} \phantom{0} \\ 34 \end{array}$$

$$34 \div 6 = 5$$

remainder 4

$$\begin{array}{r} 35 \\ 6 \overline{)2142} \\ \underline{-18} \phantom{0} \\ 34 \phantom{0} \\ \underline{-30} \phantom{0} \\ 42 \end{array}$$

$$42 \div 6 = 7$$

$$\begin{array}{r} 357 \\ 6 \overline{)2142} \\ \underline{-18} \phantom{0} \\ 34 \phantom{0} \\ \underline{-30} \phantom{0} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

Divide.

a

b

c

d

e

1.  $4 \overline{)4,783}$

$4 \overline{)1,207}$

$5 \overline{)3,901}$

$2 \overline{)9,131}$

$5 \overline{)3,197}$

2.  $2 \overline{)6,641}$

$7 \overline{)3,440}$

$5 \overline{)5,517}$

$8 \overline{)4,304}$

$3 \overline{)6,365}$

3.  $3 \overline{)8,421}$

$1 \overline{)7,412}$

$2 \overline{)2,258}$

$1 \overline{)7,293}$

$2 \overline{)8,473}$



# Addition and Subtraction of Mixed Numbers with Like Denominators

To add or subtract mixed numbers with like denominators, first add or subtract the fractions. Then add or subtract the whole numbers and simplify.

d:  $1\frac{1}{8} + 2\frac{5}{8}$

Find:  $8\frac{5}{9} - 4\frac{2}{9}$

Add the fractions.

$$\begin{array}{r} 1\frac{1}{8} \\ + 2\frac{5}{8} \\ \hline 3\frac{6}{8} \end{array}$$

Add the whole numbers. Simplify.

$$\begin{array}{r} 1\frac{1}{8} \\ + 2\frac{5}{8} \\ \hline 3\frac{6}{8} = 3\frac{3}{4} \end{array}$$

Subtract the fractions.

$$\begin{array}{r} 8\frac{5}{9} \\ - 4\frac{2}{9} \\ \hline 4\frac{3}{9} \end{array}$$

Subtract the whole numbers. Simplify.

$$\begin{array}{r} 8\frac{5}{9} \\ - 4\frac{2}{9} \\ \hline 4\frac{3}{9} = 4\frac{1}{3} \end{array}$$

1d. Simplify.

a

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

b

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

c

$$\begin{array}{r} 9\frac{3}{5} \\ + 5\frac{1}{5} \\ \hline \end{array}$$

d

$$\begin{array}{r} 6\frac{1}{8} \\ + 2\frac{3}{8} \\ \hline \end{array}$$

e

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

2.  $\begin{array}{r} 8\frac{1}{5} \\ + 9\frac{3}{5} \\ \hline \end{array}$

$\begin{array}{r} 6\frac{1}{4} \\ + 9\frac{2}{4} \\ \hline \end{array}$

$\begin{array}{r} 6\frac{1}{3} \\ + 5\frac{1}{3} \\ \hline \end{array}$

$\begin{array}{r} 12\frac{2}{5} \\ + 9\frac{1}{5} \\ \hline \end{array}$

$\begin{array}{r} 12\frac{2}{9} \\ + 4\frac{4}{9} \\ \hline \end{array}$

Subtract. Simplify.

a

$$\begin{array}{r} 4\frac{11}{12} \\ - 2\frac{1}{12} \\ \hline 2\frac{10}{12} = 2\frac{5}{6} \end{array}$$

b

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

c

$$\begin{array}{r} 6\frac{7}{12} \\ - 2\frac{5}{12} \\ \hline \end{array}$$

d

$$\begin{array}{r} 5\frac{9}{10} \\ - 3\frac{7}{10} \\ \hline \end{array}$$

e

$$\begin{array}{r} 7\frac{5}{6} \\ - 2\frac{1}{6} \\ \hline \end{array}$$

4.  $\begin{array}{r} 7\frac{6}{8} \\ - 4\frac{4}{8} \\ \hline \end{array}$

$\begin{array}{r} 6\frac{3}{8} \\ - 1\frac{1}{8} \\ \hline \end{array}$

$\begin{array}{r} 8\frac{4}{5} \\ - 3\frac{2}{5} \\ \hline \end{array}$

$\begin{array}{r} 5\frac{5}{12} \\ - 4\frac{1}{12} \\ \hline \end{array}$

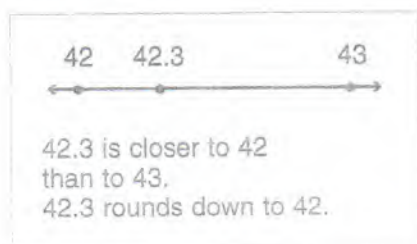
$\begin{array}{r} 8\frac{7}{10} \\ - 4\frac{3}{10} \\ \hline \end{array}$

# Rounding Decimals

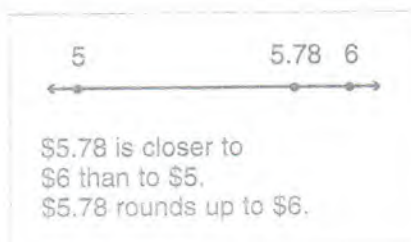
Rounding decimals can be used to tell **approximately** how many. You can use a number line to round decimals.

**Remember, when a number is halfway, always round up.**

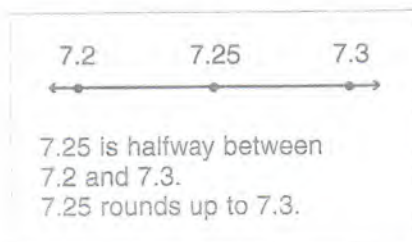
Round 42.3 to the nearest one.



Round \$5.78 to the nearest dollar.



Round 7.25 to the nearest tenth.



Round to the nearest one.

- | <i>a</i>        | <i>b</i>   | <i>c</i>   | <i>d</i>   |
|-----------------|------------|------------|------------|
| 1. 3.8 <u>4</u> | 2.5 _____  | 1.9 _____  | 7.3 _____  |
| 2. 39.6 _____   | 82.3 _____ | 78.9 _____ | 50.5 _____ |

Round each amount to the nearest dollar.

- | <i>a</i>                | <i>b</i>     | <i>c</i>      | <i>d</i>      |
|-------------------------|--------------|---------------|---------------|
| 3. \$9.15 <u>\$9.00</u> | \$3.67 _____ | \$1.42 _____  | \$73.07 _____ |
| 4. \$0.98 _____         | \$3.49 _____ | \$10.10 _____ | \$25.50 _____ |

Round to the nearest tenth.

- | <i>a</i>           | <i>b</i>    | <i>c</i>    | <i>d</i>    |
|--------------------|-------------|-------------|-------------|
| 5. 0.36 <u>0.4</u> | 0.72 _____  | 0.83 _____  | 0.45 _____  |
| 6. 82.78 _____     | 29.93 _____ | 85.54 _____ | 60.04 _____ |



Add. Write zeros as needed.

*a*

1. 
$$\begin{array}{r} 5.7 \\ +0.2 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 1.31 \\ +6.02 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} \$3.251 \\ +\$1.875 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 165.3 \\ +128.9 \\ \hline \end{array}$$

*b*

$$\begin{array}{r} 4.4 \\ +2.8 \\ \hline \end{array}$$

$$\begin{array}{r} 2.32 \\ +1.96 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.32 \\ +\$3.42 \\ \hline \end{array}$$

$$\begin{array}{r} 80.07 \\ +18.6 \\ \hline \end{array}$$

*c*

$$\begin{array}{r} 42.9 \\ +33.5 \\ \hline \end{array}$$

$$\begin{array}{r} 24.27 \\ +13.64 \\ \hline \end{array}$$

$$\begin{array}{r} \$57.94 \\ +\$21.57 \\ \hline \end{array}$$

$$\begin{array}{r} 0.89 \\ +0.36 \\ \hline \end{array}$$

Line up the digits. Then find the sums. Write zeros as needed.

*a*

5.  $0.9 + 0.6 =$  \_\_\_\_\_  
$$\begin{array}{r} 0.9 \\ +0.6 \\ \hline \end{array}$$

6.  $\$6.37 + \$4.21 =$  \_\_\_\_\_

7.  $8.815 + 0.173 =$  \_\_\_\_\_

8.  $9.5 + 2 =$  \_\_\_\_\_

*b*

$1.7 + 2.8 =$  \_\_\_\_\_

$\$0.23 + \$8.76 =$  \_\_\_\_\_

$4.321 + 9.876 =$  \_\_\_\_\_

$14 + 3.2 =$  \_\_\_\_\_

*c*

$54.3 + 41.5 =$  \_\_\_\_\_

$\$67.95 + \$22.05 =$  \_\_\_\_\_

$2.843 + 1.562 =$  \_\_\_\_\_

$0.6 + 16 =$  \_\_\_\_\_