

NAME _____

DATE _____

Add, Subtract & Multiply

1 Solve the addition and subtraction problems below Show all your work.

$$\begin{array}{r} \$1.74 \\ + \$2.25 \\ \hline \end{array}$$

$$\begin{array}{r} \$20.71 \\ + \$6.55 \\ \hline \end{array}$$

$$\begin{array}{r} \$43.53 \\ + \$7.18 \\ \hline \end{array}$$

$$\begin{array}{r} \$8.14 \\ + \$7.03 \\ \hline \end{array}$$

$$\begin{array}{r} \$5.32 \\ - \$2.81 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.42 \\ - \$1.84 \\ \hline \end{array}$$

$$\begin{array}{r} \$54.66 \\ - \$6.93 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.04 \\ - \$1.26 \\ \hline \end{array}$$

2 Rewrite these problems in vertical form. Then solve them. Show all your work.

<p>example $\\$2.96 + \\8.45</p> $\begin{array}{r} 11 \\ 2.96 \\ + 8.45 \\ \hline 11.41 \end{array}$	<p>a $\\$4.72 + \\2.39</p>	<p>b $\\$506.00 - \\3.57</p>
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3 Complete these multiplication problems.

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 10 \\ \hline \end{array}$$

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Multiplication & Division Facts

1 Solve the problems below.

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$63 \div 7 = \underline{\hspace{2cm}}$

$42 \div 7 = \underline{\hspace{2cm}}$

$36 \div 4 = \underline{\hspace{2cm}}$

$20 \div 5 = \underline{\hspace{2cm}}$

$16 \div 8 = \underline{\hspace{2cm}}$

$18 \div 3 = \underline{\hspace{2cm}}$

$6 \div 3 = \underline{\hspace{2cm}}$

$14 \div 2 = \underline{\hspace{2cm}}$

2 Fill in the missing numbers.

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ \times \square \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ \times \square \\ \hline 10 \end{array}$$

$$\begin{array}{r} \square \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} \square \\ \times 8 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 9 \\ \times \square \\ \hline 72 \end{array}$$



CHALLENGE

3 Use words and/or numbers to show how you could use the answer to 4×8 to solve 4×16 .

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Place Value & Perimeter

1 Write each number below in standard form.

example twenty-three thousand, five hundred six 23,506

a nine thousand, two hundred forty-eight _____

b seventeen thousand, six hundred thirty-three _____

c thirty-two thousand, fifty-eight _____


2 Identify the place value and value of the underlined digit in each number.

Number	Place Value	Value
ex 3 <u>6</u> ,874	thousands	six thousand
a 17, <u>6</u> 04		
b 8, <u>0</u> 97		
c <u>4</u> 1,000		

3 Find the perimeter of each rectangle below. Show your work.

example Perimeter 1,726"

583"



280"


$$\begin{array}{r} 1 \\ 280'' \\ + 280'' \\ \hline 560'' \end{array}$$

$$\begin{array}{r} 1 \\ 583'' \\ + 583'' \\ \hline 1,166'' \end{array}$$

$$\begin{array}{r} 1 \\ 1,166'' \\ + 560'' \\ \hline 1,726'' \end{array}$$

a Perimeter _____


126"



234"

b Perimeter _____

196"



285"

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Expanded Notation & Fact Families

1 Complete each equation by writing a number in standard form.

ex $17,508 = 10,000 + 7,000 + 500 + 8$	a _____ = $20,000 + 400 + 50 + 6$
b _____ = $30,000 + 2,000 + 100 + 10 + 2$	c _____ = $7,000 + 40 + 6$
d _____ = $90,000 + 6,000 + 30 + 5$	e _____ = $60,000 + 3,000 + 7$
f _____ = $10,000 + 3,000 + 800 + 50 + 5$	g _____ = $50,000 + 300 + 5$

2 Fill in the missing number in each equation.

ex $40,000 + 6,000 + \underline{50} + 8 = 46,058$	a $41,092 = 40,000 + \underline{\quad} + 90 + 2$
b $50,000 + 1,000 + \underline{\quad} + 50 + 4 = 51,354$	c $17,035 = 10,000 + \underline{\quad} + 30 + 5$
d $96,035 = 90,000 + 6,000 + \underline{\quad} + 5$	e $20,000 + \underline{\quad} + 50 + 6 = 20,456$
f $2,000 + 500 + \underline{\quad} + 7 = 2,567$	g $20,408 = 20,000 + \underline{\quad} + 8$

3 Fill in the missing information for each rectangle. Then write the multiplication and division fact family that goes with the rectangle.

<p>example</p> <div style="text-align: center;"> $\begin{array}{ c } \hline 4 \\ \hline \begin{array}{ c } \hline 2 \\ \hline 8 \\ \hline \end{array} \\ \hline \end{array}$ </div> $\begin{array}{l} \underline{2} \times \underline{4} = \underline{8} \\ \underline{4} \times \underline{2} = \underline{8} \\ \underline{8} \div \underline{4} = \underline{2} \\ \underline{8} \div \underline{2} = \underline{4} \end{array}$	<p>a</p> <div style="text-align: center;"> $\begin{array}{ c } \hline \underline{\quad} \\ \hline \begin{array}{ c } \hline 3 \\ \hline 21 \\ \hline \end{array} \\ \hline \end{array}$ </div> $\begin{array}{l} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$	<p>b</p> <div style="text-align: center;"> $\begin{array}{ c } \hline 9 \\ \hline \begin{array}{ c } \hline \underline{\quad} \\ \hline 54 \\ \hline \end{array} \\ \hline \end{array}$ </div> $\begin{array}{l} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$
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Number Riddles

1 Draw a line to show which number matches each description. The first one is done for you.

example This number has a 2 in the thousands place.	46,305
a This is an even number with a 6 in the hundreds place.	32,617
b This number is equal to $30,000 + 4,000 + 80 + 2$.	45,052
c This number is 1000 less than 46,052.	19,628
d This is an odd number with a 6 in the thousands place.	34,082

2 Write each number in words.

example 17,329	seventeen thousand, three hundred twenty-nine
a 33,072	
b 86,105	
c 74,629	



CHALLENGE

3 Write an even number that has a 7 in the hundreds place, has an odd number in the thousands place, and is a multiple of 10.

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Decimals & Fractions

1 Write the place value of the underlined digit in each number. The place values are spelled for you here:

hundreds	tens	ones	tenths	hundredths
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example 2.03 hundredths **a** 3.17 _____

b 120.4 _____ **c** 506.92 _____

d 54.29 _____ **e** 32.7 _____

2 Write each decimal number.

ex a Twenty-three and two-tenths: 23.2

ex b One hundred thirty and five-hundredths: 130.05

a Six and seven-hundredths: _____

b Two-hundred sixty-five and eight-tenths: _____

3 Write each fraction or mixed number as a decimal number.

ex a $5\frac{3}{10} = 5.3$	ex b $12\frac{4}{100} = 12.04$	ex c $3\frac{17}{100} = 3.17$
a $\frac{7}{10} =$	b $3\frac{5}{100} =$	c $\frac{4}{100} =$
d $4\frac{38}{100} =$	e $1\frac{9}{100} =$	f $1\frac{9}{10} =$

4 Use a greater than (>), less than (<), or equal sign to show the relationship between the decimal numbers below.

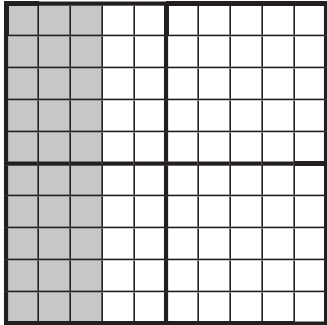
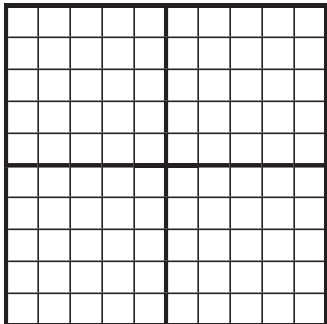
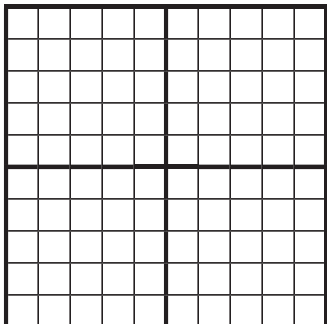
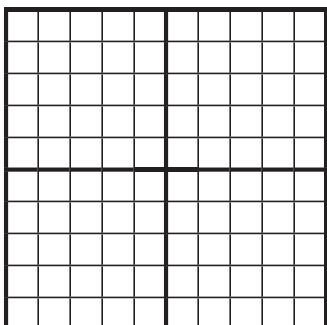
ex 1.09 < 1.9	a 1.12 1.2	b 3.5 3.48
c 23.81 23.85	d 4.50 4.5	e 3.06 3.65

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Using Pictures to Compare Decimals & Fractions

Each grid below is divided into 100 equal squares. Fill in squares to show a picture of each decimal number. Then compare the decimal number to certain fractions using $<$, $>$ or $=$.

Decimal Number	Picture	Compare the decimal number to these fractions.
<p>example</p> <p>0.3</p>		<p>$0.3 > \frac{1}{4}$</p> <p>$0.3 < \frac{1}{2}$</p> <p>$0.3 < \frac{3}{4}$</p>
<p>1</p> <p>0.46</p>		<p>0.46 $\frac{1}{4}$</p> <p>0.46 $\frac{1}{2}$</p> <p>0.46 $\frac{3}{4}$</p>
<p>2</p> <p>0.52</p>		<p>0.52 $\frac{1}{4}$</p> <p>0.52 $\frac{1}{2}$</p> <p>0.52 $\frac{3}{4}$</p>
<p>3</p> <p>0.87</p>		<p>0.87 $\frac{1}{4}$</p> <p>0.87 $\frac{1}{2}$</p> <p>0.87 $\frac{3}{4}$</p>