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Name _____ Date _____

Compare. Write $>$, $<$, or $=$.

$43 \overset{a}{\quad} 28$	$0.9 \overset{b}{\quad} 0.090$	$3,060 \overset{c}{\quad} 3,600$
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Write in order from least to greatest.

$135 \overset{a}{\quad} 516 \overset{a}{\quad} 398$	$48.6 \overset{b}{\quad} 0.486 \overset{b}{\quad} 40.9$
---	---

Write the value of the underlined digit.

$8 \overset{a}{\underline{4}} 3$	$2 \overset{b}{\underline{6}}, 498$	$41. \overset{c}{\underline{9}} 4$	$8. \overset{d}{\underline{3}} 92$
----------------------------------	-------------------------------------	------------------------------------	------------------------------------

Round to the nearest hundred.

$3 \overset{a}{\underline{6}} 2$	$8 \overset{b}{\underline{4}} 1$	$7 \overset{c}{\underline{5}} 0$	$25, \overset{d}{\underline{4}} 29$
----------------------------------	----------------------------------	----------------------------------	-------------------------------------

Find each answer.

$\overset{a}{\begin{array}{r} 883 \\ +215 \\ \hline \end{array}}$	$\overset{b}{\begin{array}{r} 8,926 \\ -2,315 \\ \hline \end{array}}$	$\overset{c}{\begin{array}{r} 485 \\ \times 346 \\ \hline \end{array}}$	$\overset{d}{\begin{array}{r} 5 \overline{)78} \end{array}}$
---	---	---	--

$\overset{a}{\begin{array}{r} 1,495 \\ +7,632 \\ \hline \end{array}}$	$\overset{b}{\begin{array}{r} 5,2631 \\ -2,894 \\ \hline \end{array}}$	$\overset{c}{\begin{array}{r} 24 \\ \times 367 \\ \hline \end{array}}$	$\overset{d}{\begin{array}{r} 54 \overline{)4,271} \end{array}}$
---	--	--	--

Simplify.

$\overset{a}{\frac{7}{36}} =$	$\overset{b}{\frac{28}{5}} =$	$\overset{c}{\frac{5}{35}} =$	$\overset{d}{\frac{44}{9}} =$	$\overset{e}{\frac{72}{12}} =$
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Add or subtract. Simplify. Watch the operation signs.

$\overset{a}{\begin{array}{r} \frac{5}{8} \\ + \frac{1}{8} \\ \hline \end{array}}$	$\overset{b}{\begin{array}{r} 3\frac{3}{5} \\ + 5\frac{5}{6} \\ \hline \end{array}}$	$\overset{c}{\begin{array}{r} 2 \\ - \frac{2}{7} \\ \hline \end{array}}$	$\overset{d}{\begin{array}{r} 4\frac{1}{5} \\ - 2\frac{7}{10} \\ \hline \end{array}}$
--	--	--	---

Multiply or divide. Use cancellation when possible. Simplify.

$$9. \frac{5}{6} \times 24 =$$

$$4 \div \frac{7}{8} =$$

$$\frac{8}{9} \times \frac{3}{4} =$$

$$10. \frac{5}{8} \div \frac{3}{8} =$$

$$3\frac{3}{4} \times 2\frac{1}{5} =$$

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

Write each decimal as a fraction or mixed number.

$$11. 0.3 =$$

$$4.65 =$$

$$3.06 =$$

$$0.125 =$$

Write each fraction as a decimal.

$$12. 6\frac{7}{10} =$$

$$\frac{51}{20} =$$

$$\frac{4}{25} =$$

$$\frac{5}{1,000} =$$

Find each answer. Write zeros as needed.

$$13. \begin{array}{r} 4.28 \\ +0.26 \\ \hline \end{array}$$

$$\begin{array}{r} 8.26 \\ -5.93 \\ \hline \end{array}$$

$$\begin{array}{r} 0.00132 \\ \times 45.5 \\ \hline \end{array}$$

$$0.3 \overline{) 2.03}$$

Change each percent to a decimal and then to a fraction.

$$14. 8\% = =$$

$$52\% = =$$

Find each answer.

$$15. 80\% \text{ of } 50 =$$

$$\text{What percent of } 36 \text{ is } 9?$$

$$16. 40\% \text{ of what number is } 34?$$

$$38\% \text{ of } 240 =$$

Solve.

17. Carpet sells for \$36 per square yard.
How much will $8\frac{3}{8}$ square yards cost?

18. A book that cost \$25.00 was on sale for 35% off. How much would you save on the book?

Answer _____

Answer _____

The Addition Facts

PRACTICE

[illegible]

$$\begin{array}{ccccccccccc} \textbf{2.} & 5 & 1 & 2 & 9 & 7 & 8 & 0 & 6 & 4 & 3 \\ +2 & & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 \end{array}$$

3. 3 0 4 1 5 2 9 6 8 7
 +3 +3 +3 +3 +3 +3 +3 +3 +3 +3

[illegible]

[illegible]

6. 6 4 0 5 9 2 8 1 7 3
 +6 +6 +6 +6 +6 +6 +6 +6 +6

[illegible]

[illegible]

[illegible]

Column Addition

In the exercises below, you will work with 3 or more **addends**. You can add down the column. You can check your **sum** by adding up the column.

Add down.

$$\begin{array}{r} 3 \\ 2 \\ +4 \\ \hline 9 \end{array}$$

Add up.

$$\begin{array}{r} 3 \\ 2 \\ +4 \\ \hline 9 \end{array}$$

PRACTICE

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>
1.	5	4	3	7	6	4	8	2	5
	4	4	6	2	3	5	1	7	3
	<u>+3</u>	<u>+5</u>	<u>+2</u>	<u>+1</u>	<u>+6</u>	<u>+8</u>	<u>+3</u>	<u>+6</u>	<u>+8</u>
	12								

2.	4	5	8	2	1	3	4	6	7
	9	7	1	7	4	5	3	5	5
	<u>+6</u>	<u>+3</u>	<u>+4</u>	<u>+5</u>	<u>+8</u>	<u>+7</u>	<u>+6</u>	<u>+8</u>	<u>+6</u>

3.	6	3	5	2	4	9	7	8	1
	2	4	3	7	3	2	3	1	9
	5	6	4	3	8	5	4	6	8
	<u>+7</u>	<u>+5</u>	<u>+7</u>	<u>+8</u>	<u>+5</u>	<u>+7</u>	<u>+6</u>	<u>+7</u>	<u>+5</u>

4.	1	7	3	2	4	6	8	5	7
	4	2	5	4	3	5	3	5	4
	9	4	7	8	6	8	5	7	3
	<u>+7</u>	<u>+9</u>	<u>+6</u>	<u>+5</u>	<u>+8</u>	<u>+4</u>	<u>+6</u>	<u>+4</u>	<u>+9</u>

5.	3	1	2	5	4	5	2	1	3
	2	6	4	3	2	5	3	6	3
	4	5	3	1	2	2	4	2	1
	7	3	6	4	9	5	1	5	4
	<u>+8</u>	<u>+4</u>	<u>+5</u>	<u>+9</u>	<u>+5</u>	<u>+6</u>	<u>+7</u>	<u>+8</u>	<u>+9</u>

Reading and Writing Numbers

A **place-value chart** can help you understand **whole numbers**.
Each **digit** in a number has a value based on its place in the number.

The 7 is in the millions place.

Its value is 7 millions or 7,000,000.

The 1 is in the ten-thousands place.

Its value is 1 ten thousand or 10,000.

The 4 is in the hundreds place.

Its value is 4 hundreds or 400.

hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
	7	5	1	8	4	6	0	
Millions			Thousands			Ones		

We read and write this number as seven million,
five hundred eighteen thousand, four hundred sixty.

Notice that commas are used to separate digits into groups of three,
called **periods**. This helps make large numbers easier to read.

PRACTICE

Write the place name for the digit 4 in each number.

1. 263,041 ^a *tens* 3,340,687 ^b _____
2. 921,426,050 _____ 4,531,906 _____

Write the value of the underlined digit.

3. 3,257,461 ^a *5 ten thousands* 54,699 ^b _____
4. 3,257,461 _____ 54,699 _____

Write each number using digits. Insert commas where needed.

5. six hundred forty-five thousand, three hundred ten *645,310* _____
6. eighty-seven thousand, four hundred sixteen _____
7. ten thousand, eighty-nine _____

Write each number in words. Insert commas where needed.

8. 80,462 *eighty thousand, four hundred sixty-two* _____
9. 506 _____
10. 12,934 _____

Comparing and Ordering

To compare two numbers, begin at the left.
Compare the digits in each place.

The symbol $>$ means **is greater than**. $5 > 3$

The symbol $<$ means **is less than**. $4 < 12$

The symbol $=$ means **is equal to**. $7 = 7$

Compare 42 and 27.

4	2	4 > 2, so 42 > 27.
2	7	

Compare 125 and 56.

1	2	5	1 > 0, so 125 > 56.
0	5	6	

Compare 324 and 374.

3	2	4	The hundreds digits are the same. Compare the tens digits. $2 < 7$, so $324 < 374$.
3	7	4	

PRACTICE

Compare. Write $<$, $>$, or $=$.

<i>a</i>		<i>b</i>		<i>c</i>	
1. 47	$<$ 73	86	70	73	200
2. 25	60	142	321	104	102
3. 50	50	304	107	408	1,014
4. 1,003	489	749	83	3,030	3,020
5. 607	6,003	535	353	732	732
6. 7,240	4,188	3,058	2,907	5,879	3,004
7. 82,000	82,001	69,240	69,243	35,000	34,999

Write in order from least to greatest.

- 12 34 26 12 26 34
- 425 643 523 _____
- 247 617 338 _____
- 133 873 245 _____
- 71 170 107 _____
- 836 335 683 _____
- 647 538 134 _____
- 384 916 700 _____
- 4,266 7,109 3,871 _____