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Decimals, Fractions & Story Problems page 1 of 2

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

hundreds tens ones tenths hundredths

ex 2.0<u>3</u> hundredths	**a** 3.<u>1</u>7
b 12<u>0</u>.4	**c** <u>5</u>06.92
d 54.2<u>9</u>	**e** 32.<u>7</u>

2 Write each decimal number.

ex Twenty-three and two-tenths: 23.2

ex 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 $5\frac{3}{10}$ 5.3	**ex** $12\frac{4}{100}$ 12.04	**ex** $3\frac{17}{100}$ 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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Equal, Not Equal page 1 of 2

1 Fill in the bubble to show the equation that is correct.

- ○ $1\frac{1}{4} + 1\frac{1}{4} = 2\frac{3}{4}$
- ○ $5\frac{2}{8} - 3\frac{1}{8} = 2\frac{3}{8}$
- ○ $4\frac{3}{12} + 2\frac{9}{12} = 6\frac{11}{12}$
- ○ $\frac{3}{10} + \frac{32}{100} = \frac{62}{100}$

2 Fill in the bubble to show the equation that is ***not*** correct.

- ○ $\frac{6}{10} + \frac{15}{100} = \frac{75}{100}$
- ○ $\frac{7}{8} - \frac{3}{8} = \frac{1}{3}$
- ○ $\frac{5}{12} + \frac{7}{12} = \frac{12}{12}$
- ○ $\frac{10}{12} - \frac{4}{12} = \frac{1}{2}$

3 Fill in the bubbles to show the comparison statements that are correct. (There is more than one.)

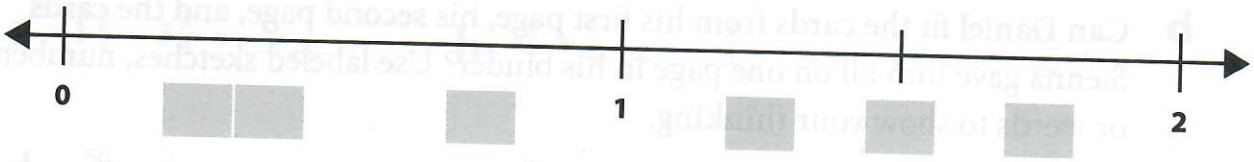
- ○ $0.3 < 0.03$
- ○ $\frac{2}{8} = \frac{1}{4}$
- ○ $0.6 > 0.49$
- ○ $0.7 = 0.70$

4 Fill in the bubbles to show the comparison statements that are ***not*** correct. (There is more than one.)

- ○ $0.05 = \frac{1}{2}$
- ○ $0.25 > 0.3$
- ○ $0.4 = \frac{60}{100}$
- ○ $\frac{6}{10} < \frac{60}{100}$

5 Put the fractions and decimal numbers in the correct places on the number line:

0.75 1.5 $\frac{1}{4}$ $1\frac{3}{4}$ $\frac{3}{8}$ $1\frac{1}{4}$



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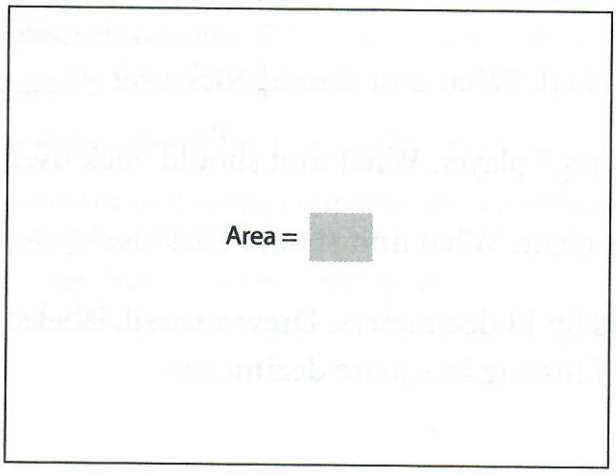
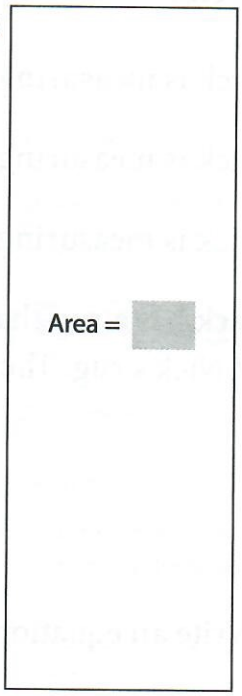
Finding Areas of Rectangles

1 Measure and label the dimensions of both rectangles in centimeters. Then find the area of each in square centimeters. Show your work

a



b



2 Measure the dimensions of this page to the nearest whole centimeter. Use the information to determine the area of the page. Label each measurement with the correct units.

Work space:

Length of the page: _____

Width of the page: _____

Area of the page: _____

3 How would you find the area of the floor of our classroom? What units would you use? Draw a sketch and explain your thinking in the space below.

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Ratio Table Practice

1 This is part of a ratio table made by a fourth grade student.

3	45
4	60
5	75
6	90
7	105

a What number was the student multiplying for this ratio table? _____

b What number would come next in each column? _____ and _____

2 Fill in the ratio table below.

1	7
2	14
3	
	28
5	
	42

3 Is 21 a prime number? How do you know?

4 Fill in the blanks in the table below.

2 × _____ = 28	_____ × 3 = 42	4 × 14 = _____
9 × _____ = 54	_____ × 7 = 63	9 × 8 = _____
_____ × 12 = 24	3 × _____ = 36	4 × 12 = _____

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Riley's & Raymond's Ratio Tables

1 Riley made a ratio table, but you can only see this part of it.

9	198
10	220
11	242

a What number did Riley use to make her ratio table? _____

b What is the 13th row? _____

c What is the 5th row? _____

2 Raymond made a ratio table, but you can only see this part of it.

17	306
18	324
19	342
20	360

a What number did Raymond use to make his ratio table? _____

b What is the 10th row? _____

c What is the 22nd row? _____

3 **CHALLENGE** The area of a rectangle is 280 and one dimension is 14. What is the other dimension?

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Mario's Marbles

Mario loves marbles and is always adding new marbles to his collection. Help Mario keep track of his marbles in the following problems. Show your work using numbers, labeled sketches, or words. Write a multiplication equation for problems 1 and 2.

1 Mario organized some of his marbles. He used lots of marbles to make 11 piles. Each pile had 14 marbles. How many marbles did he use in all?

Equation: _____

2 Mario organized the rest of his marbles. He made 7 piles and put 22 marbles in each pile. How many marbles did he use in all?

Equation: _____

3 Mario saw bags of marbles for sale at the store. One bag had 49 marbles in it. Mario wondered if he could organize the 49 marbles into equal piles.

a Is 49 prime or composite?

b Can Mario organize his marbles into equal piles? Explain your answer.

4 Another bag of marbles has 61 marbles in it. Mario wondered if he could organize the 61 marbles into equal piles.

a Is 61 prime or composite?

b Can Mario organize his marbles into equal piles? Explain your answer.

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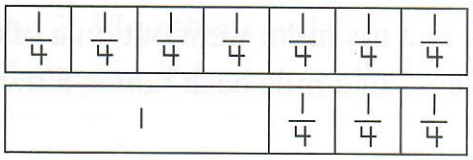
Fractions & Mixed Numbers page 1 of 2

1 Change each of the fractions below into a mixed number. Use a labeled sketch and words to explain your answers. Use your fraction pieces to help if you want.

ex $\frac{7}{4} = 1\frac{3}{4}$	
a $\frac{9}{8} =$	
b $\frac{19}{16} =$	
c $\frac{10}{4} =$	

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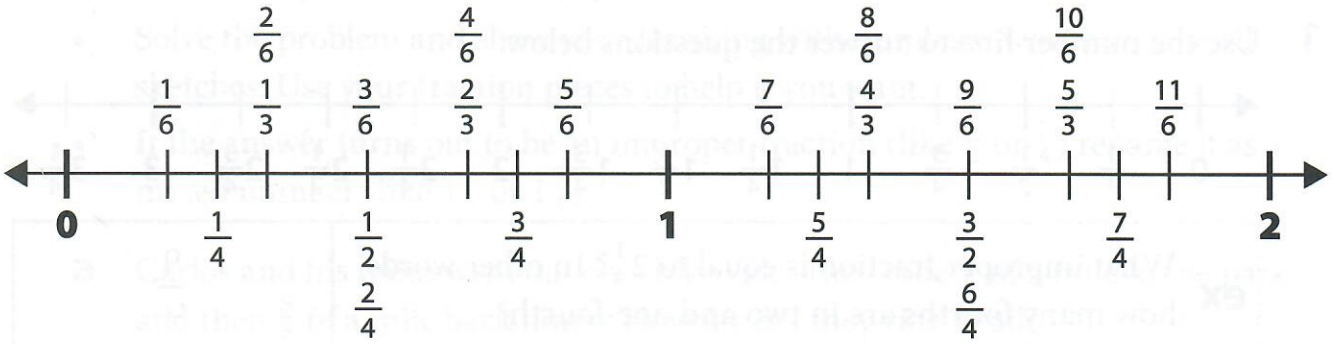
Fractions & Division Tables



1 Write a greater than (>), less than (<), or equal sign in the circle to complete each equation below. Use the number line to help figure out which fraction is greater.

ex $\frac{1}{4}$ < $\frac{1}{2}$	**a** $\frac{3}{4}$ ◯ $\frac{5}{6}$	**b** $\frac{2}{3}$ ◯ $\frac{4}{6}$
c $\frac{5}{3}$ ◯ $\frac{5}{4}$	**d** $\frac{2}{3}$ ◯ $\frac{3}{2}$	**e** $\frac{1}{3}$ ◯ $\frac{3}{6}$

2 Complete the division tables below.

ex

÷	10	4	18	6	16	12	14	8
2	5	2	9	3	8	6	7	4

a

÷	70	90	20	80	30	50	60	40
10								

b

÷	15	30	35	25	10	45	20	40
5								

c

÷	8	20	16	36	24	28	12	32
4								

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Comparing, Adding & Subtracting Fractions page 1 of 2

1 Use the symbols >, =, or < to compare each pair of fractions.

$\frac{3}{8}$ ▒ $\frac{2}{8}$	$\frac{3}{8}$ ▒ $\frac{1}{4}$	$\frac{3}{8}$ ▒ $\frac{7}{16}$	$\frac{7}{16}$ ▒ $\frac{1}{4}$
$\frac{1}{4}$ ▒ $\frac{3}{4}$	$\frac{4}{16}$ ▒ $\frac{2}{16}$	$\frac{4}{16}$ ▒ $\frac{5}{8}$	$\frac{3}{4}$ ▒ $\frac{5}{8}$

2 Find each sum.

$\frac{1}{4} + \frac{3}{4} =$	$\frac{2}{4} + \frac{1}{4} =$	$\frac{2}{4} + \frac{3}{4} =$
$1\frac{1}{4} + \frac{1}{4} =$	$\frac{2}{8} + \frac{5}{8} =$	$\frac{5}{8} + \frac{6}{8} =$

3 Find each difference.

$\frac{3}{4} - \frac{1}{4} =$	$1\frac{1}{4} - \frac{1}{4} =$	$1\frac{1}{4} - \frac{3}{4} =$
$\frac{6}{8} - \frac{2}{8} =$	$1\frac{3}{8} - \frac{2}{8} =$	$1\frac{3}{8} - \frac{4}{8} =$

