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Math Activities

Grade 5, Week 1

Decimals and Fractions

Use this packet of activities to help children practice their Language Arts skills.

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Day 1

Find the value of each underlined digit using *tenths, hundredths,* or *thousandths*.

1. 0.6<u>4</u>

  6   tenths

2. 0.9<u>8</u>

_____

3. 0.5<u>1</u>

_____

4. 0.<u>1</u>0

_____

5. 0.<u>8</u>3

_____

6. 0.<u>5</u>5

_____

7. 0.12<u>5</u>

_____

8. 0.5<u>9</u>4

_____

9. 0.89<u>1</u>

_____

10. 0.0<u>0</u>1

_____

11. 0.0<u>2</u>5

_____

12. 0.0<u>4</u>4

_____

13. 0.1<u>3</u>1

_____

14. 0.66<u>4</u>

_____

15. 0.<u>5</u>43

_____

16. 0.1<u>2</u>0

_____
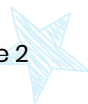
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Fill in the blanks in the following equations with a digit between 1–9. The answer to each decimal addition problem should be less than 1.

1. $\begin{array}{r} 0.3 \\ +\,0.\square \\ \hline \end{array}$

2. $\begin{array}{r} 0.6 \\ +\,0.\square \\ \hline \end{array}$

3. $\begin{array}{r} 0.2 \\ +\,0.\square \\ \hline \end{array}$

4. $\begin{array}{r} 0.\square \\ +\,0.1 \\ \hline \end{array}$

5. $\begin{array}{r} 0.8 \\ +\,0.\square \\ \hline \end{array}$

6. $\begin{array}{r} 0.\square \\ +\,0.5 \\ \hline \end{array}$

7. $\begin{array}{r} 0.\square \\ +\,0.9 \\ \hline \end{array}$

8. $\begin{array}{r} 0.4 \\ +\,0.\square \\ \hline \end{array}$

9. $\begin{array}{r} 0.\square \\ +\,0.7 \\ \hline \end{array}$

Fill in the blanks in the following equations with a digit between 1-9. The answer to each decimal subtraction problem should be greater than 0.

1. $\begin{array}{r} 0.3 \\ -\,0.\square \\ \hline \end{array}$

2. $\begin{array}{r} 0.6 \\ -\,0.\square \\ \hline \end{array}$

3. $\begin{array}{r} 0.2 \\ -\,0.\square \\ \hline \end{array}$

4. $\begin{array}{r} 0.\square \\ -\,0.1 \\ \hline \end{array}$

5. $\begin{array}{r} 0.9 \\ -\,0.\square \\ \hline \end{array}$

6. $\begin{array}{r} 0.\square \\ -\,0.5 \\ \hline \end{array}$

7. $\begin{array}{r} 0.\square \\ -\,0.8 \\ \hline \end{array}$

8. $\begin{array}{r} 0.4 \\ -\,0.\square \\ \hline \end{array}$

9. $\begin{array}{r} 0.\square \\ -\,0.7 \\ \hline \end{array}$

Day 2

Round each decimal to the nearest *one*, *tenth*, and *hundredth*.

1. 3.819

one _____

tenth _____

hundredth _____

2. 0.248

one _____

tenth _____

hundredth _____

3. 7.925

one _____

tenth _____

hundredth _____

4. 1.237

one _____

tenth _____

hundredth _____

5. 5.023

one _____

tenth _____

hundredth _____

6. 2.394

one _____

tenth _____

hundredth _____

7. 3.239

one _____

tenth _____

hundredth _____

8. 4.605

one _____

tenth _____

hundredth _____
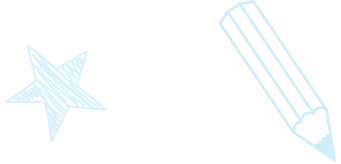
Day 2 (Cont'd)

Roll dice to generate a 4-digit number that includes *tenths* and *hundredths*. Complete the subtraction equations below. If you do not have dice, use a random number generator.

1. 100 − __ __ . __ __ = _____

2. 200 − __ __ . __ __ = _____

3. 300 − __ __ . __ __ = _____

4. 400 − __ __ . __ __ = _____

5. 500 − __ __ . __ __ = _____

6. 600 − __ __ . __ __ = _____

7. 700 − __ __ . __ __ = _____
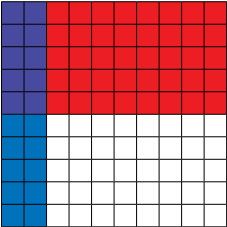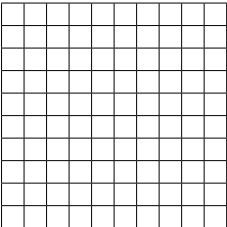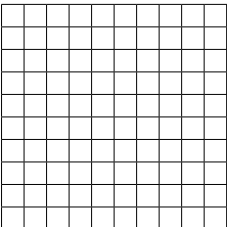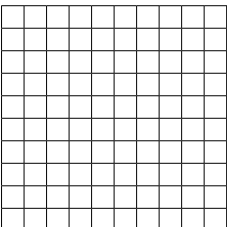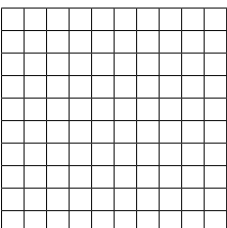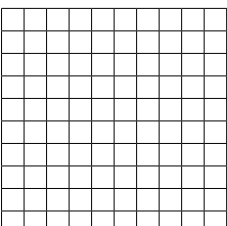
8. 800 − __ __ . __ __ = _____

9. 900 − __ __ . __ __ = _____

10. 1000 − __ __ . __ __ = _____

Day 3

Fill out the area model for each decimal multiplication problem. Count the squares in the overlapping area. Solve the problem.

Problem	Area Model	Overlapping Squares	Answer
0.2 x 0.5		10	10 out of 100 squares = 0.1
0.3 x 0.7			__ out of 100 squares = ____
0.4 x 0.6			__ out of 100 squares = ____
0.6 x 0.3			__ out of 100 squares = ____
0.7 x 0.7			__ out of 100 squares = ____
0.9 x 0.8			__ out of 100 squares = ____

Day 3 (Cont'd)

Multiply. Make area models to help.

1. $0.7 \times 0.8 =$

2. $0.6 \times 0.9 =$

3. $0.5 \times 0.5 =$

4. $0.4 \times 0.8 =$

5. $0.2 \times 0.6 =$

6. $0.3 \times 0.7 =$

7. $0.9 \times 0.9 =$

8. $0.5 \times 0.3 =$

9. $0.5 \times 0.8 =$

10. $1.2 \times 0.2 =$

11. $1.5 \times 0.6 =$

12. $2.1 \times 1.2 =$

Day 4

Fill out the area model for each decimal division problem.
Count the groups. Solve the problem.

Problem	Area Model	Groups	Answer
0.8 ÷ 0.2		4	0.8 ÷ 0.2 = 0.4
0.9 ÷ 0.3			0.9 ÷ 0.3 = ___
0.6 ÷ 0.2			0.6 ÷ 0.2 = ___
0.4 ÷ 0.1			0.4 ÷ 0.1 = ___
0.8 ÷ 0.4			0.8 ÷ 0.4 = ___
0.6 ÷ 0.3			0.6 ÷ 0.3 = ___

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Add, subtract, multiply, or divide.

1. $0.25 + 0.9 =$ _____

2. $0.5 × 0.75 =$ _____

3. $1.0 + 0.125 =$ _____

4. $0.33 + 0.6 =$ _____

5. $1.05 − 0.9 =$ _____

6. $1.2 ÷ 0.5 =$ _____

7. $2.0 ÷ 0.8 =$ _____

8. $1.3 − 0.6 =$ _____

9. $2.3 × 0.33 =$ _____

10. $2.05 × 0.75 =$ _____

11. $3.75 ÷ 0.75 =$ _____

12. $1.25 − 0.8 =$ _____

Day 5

Fill out the area model for each fraction addition problem. Draw a model of the problem. Solve the problem.

Problem	Model	Answer
$\frac{1}{5} + \frac{2}{3}$		$\frac{13}{15}$
$\frac{2}{8} + \frac{1}{3}$		
$\frac{3}{5} + \frac{3}{4}$		
$\frac{3}{7} + \frac{2}{3}$		
$\frac{2}{5} + \frac{3}{10}$		
$\frac{3}{4} + \frac{1}{12}$		

Day 5 (Cont'd)

Add. Write the answer in simplest form. Draw a model of your problem. Use fraction tiles or Cuisenaire® Rods, if available.

1. $\frac{1}{5} + \frac{3}{5} =$ _____

2. $\frac{6}{12} + \frac{3}{12} =$ _____

3. $\frac{7}{8} + \frac{3}{8} =$ _____

4. $\frac{8}{10} + \frac{6}{10} =$ _____

5. $\frac{1}{3} + \frac{5}{6} =$ _____

6. $\frac{5}{8} + \frac{4}{12} =$ _____

7. $\frac{5}{6} + \frac{7}{10} =$ _____

8. $\frac{2}{3} + \frac{7}{8} =$ _____

9. $\frac{5}{5} + \frac{7}{4} =$ _____

10. $\frac{4}{6} + \frac{5}{3} =$ _____

11. $\frac{10}{8} + \frac{2}{4} =$ _____

12. $\frac{3}{2} + \frac{5}{4} =$ _____

13. $\frac{8}{4} + \frac{12}{8} =$ _____

14. $\frac{11}{10} + \frac{8}{5} =$ _____