Math Activities

Grade 5, Week 1

Decimals and Fractions

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

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Day 1

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

1. 0.64

6 tenths

2. 0.98

3. 0.51

4. 0.10

5. 0.83

6. 0.55

7. 0.125

8. 0.594

9. 0.891

10. 0.001

11. 0.025

12. 0.044

13. 0.131

14. 0.664

15. 0.543

16. 0.120

Day 1 (Cont'd)

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. 0.3 + 0.□

2. 0.6 + 0.□

3. 0.2 + 0.□

4. 0.□ + 0.1

5. 0.8 + 0.□

6. 0.□ + 0.5

7. 0.□ + 0.9

8. 0.4 + 0.□

9. 0.□ + 0.7

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. 0.3 − 0.□

2. 0.6 − 0.□

3. 0.2 − 0.□

4. 0.□ − 0.1

5. 0.9 − 0.□

6. 0.□ − 0.5

7. 0.□ − 0.8

8. 0.4 − 0.□

9. 0.□ − 0.7

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 − __ __ . __ __ = _____

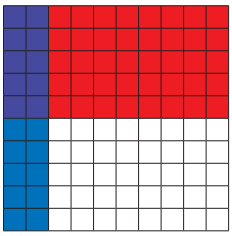
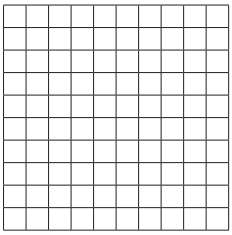
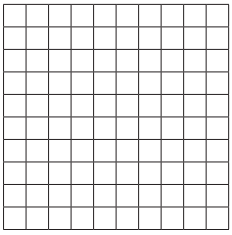
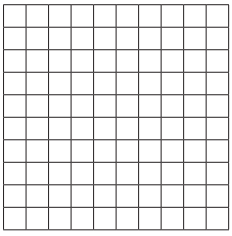
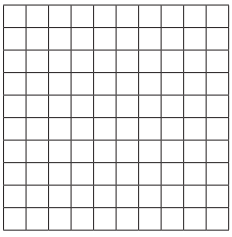
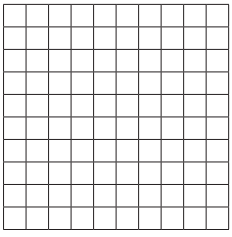
8. 800 − __ __ . __ __ = _____

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 × 0.8 =

2. 0.6 × 0.9 =

3. 0.5 × 0.5 =

4. 0.4 × 0.8 =

5. 0.2 × 0.6 =

6. 0.3 × 0.7 =

7. 0.9 × 0.9 =

8. 0.5 × 0.3 =

9. 0.5 × 0.8 =

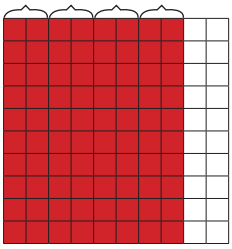
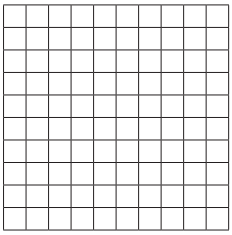
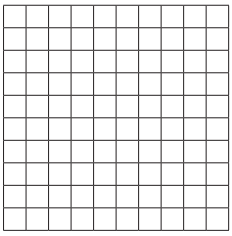
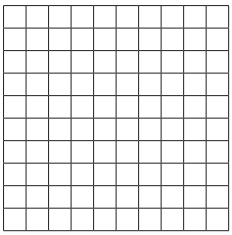
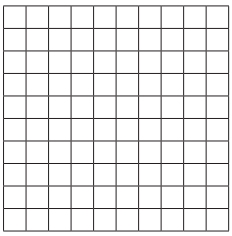
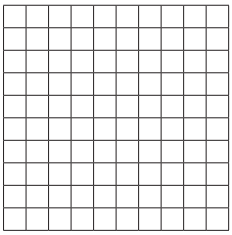
10. 1.2 × 0.2 =

11. 1.5 × 0.6 =

12. 2.1 × 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 = ___

Day 4 (Cont'd)

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