

teach@home

# Math Activities

## Grade 5, Week 1

### Decimals and Fractions

Day	Topic	Pages
Day 1	<a href="#">Add and Subtract Decimals</a>	2–3
Day 2	<a href="#">More Add and Subtract Decimals</a>	4–5
Day 3	<a href="#">Multiply Decimals</a>	6–7
Day 4	<a href="#">Divide Decimals</a>	8–9
Day 5	<a href="#">Add Fractions with Unlike Denominators</a>	10–11

The Answer Key for this week's lessons can be found at:



**Printable  
Answer Key**

[hand2mind-link.com/M5-AK-W1](http://hand2mind-link.com/M5-AK-W1)



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 (continued)

Fill in the blanks in the following equations with a digit between 0–9.  
The answer to each decimal addition problem should be less than 1.

1.  $0.3$   
 $+0.\square$

2.  $0.6$   
 $+0.\square$

3.  $0.2$   
 $+0.\square$

4.  $0.\square$   
 $+0.1$

5.  $0.8$   
 $+0.\square$

6.  $0.\square$   
 $+0.5$

7.  $0.\square$   
 $+0.9$

8.  $0.4$   
 $+0.\square$

9.  $0.\square$   
 $+0.7$

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.  $0.3$   
 $-0.\square$

2.  $0.6$   
 $-0.\square$

3.  $0.2$   
 $-0.\square$

4.  $0.\square$   
 $-0.1$

5.  $0.9$   
 $-0.\square$

6.  $0.\square$   
 $-0.5$

7.  $0.\square$   
 $-0.8$

8.  $0.4$   
 $-0.\square$

9.  $0.\square$   
 $-0.7$



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 \_\_\_\_\_

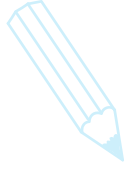
hundredth \_\_\_\_\_

8. 4.605

one \_\_\_\_\_

tenth \_\_\_\_\_

hundredth \_\_\_\_\_



# Day 2 (continued)

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.  $100 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

2.  $200 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

3.  $300 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

4.  $400 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

5.  $500 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

6.  $600 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

7.  $700 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

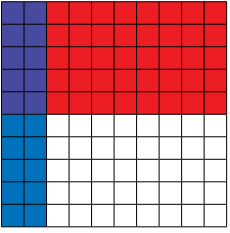
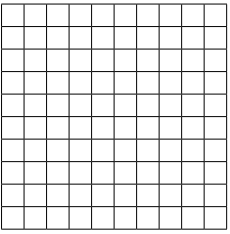
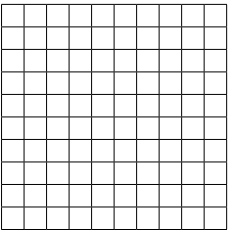
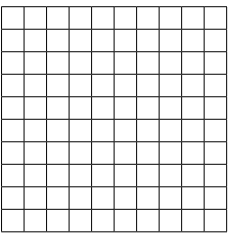
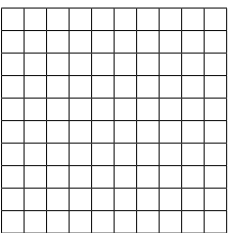
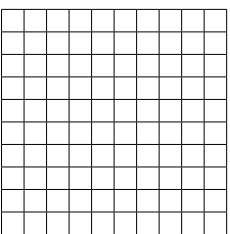
8.  $800 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

9.  $900 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$

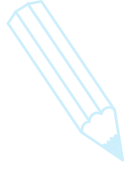
10.  $1000 - \underline{\quad}.\underline{\quad}\underline{\quad} = \underline{\quad}$



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
$0.2 \times 0.5$		10	10 out of 100 squares = 0.1
$0.3 \times 0.7$			__ out of 100 squares = ____
$0.4 \times 0.6$			__ out of 100 squares = ____
$0.6 \times 0.3$			__ out of 100 squares = ____
$0.7 \times 0.7$			__ out of 100 squares = ____
$0.9 \times 0.8$			__ out of 100 squares = ____





# Day 3 (continued)

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.  $2.1 \times 1.2 =$



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

Problem	Area Model	Groups	Answer
$0.8 \div 0.2$		4	$0.8 \div 0.2 = 4$
$0.9 \div 0.3$			$0.9 \div 0.3 = \underline{\quad}$
$0.6 \div 0.2$			$0.6 \div 0.2 = \underline{\quad}$
$0.4 \div 0.1$			$0.4 \div 0.1 = \underline{\quad}$
$0.8 \div 0.4$			$0.8 \div 0.4 = \underline{\quad}$
$0.6 \div 0.3$			$0.6 \div 0.3 = \underline{\quad}$







# Day 4 (continued)

Add, subtract, multiply, or divide.

1.  $0.25 + 0.9 =$  \_\_\_\_\_

2.  $0.5 \times 0.75 =$  \_\_\_\_\_

3.  $1.0 + 0.125 =$  \_\_\_\_\_

4.  $0.33 + 0.6 =$  \_\_\_\_\_

5.  $1.05 - 0.9 =$  \_\_\_\_\_

6.  $1.2 \div 0.5 =$  \_\_\_\_\_

7.  $2.0 \div 0.8 =$  \_\_\_\_\_

8.  $1.3 - 0.6 =$  \_\_\_\_\_

9.  $2.3 \times 0.33 =$  \_\_\_\_\_

10.  $2.05 \times 0.75 =$  \_\_\_\_\_

11.  $3.75 \div 0.75 =$  \_\_\_\_\_

12.  $1.25 - 0.8 =$  \_\_\_\_\_



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 (continued)

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