



Summer Math Program  
Entering Sixth Grade  
Week 9



**Fast Facts**

See how many you can do in one minute!

$$\frac{2}{12} + \frac{2}{12} =$$

$$\frac{7}{11} + \frac{2}{5} =$$

$$\frac{5}{7} + \frac{1}{3} =$$

$$\frac{5}{9} + \frac{1}{7} =$$

$$\frac{8}{10} + \frac{1}{2} =$$

$$\frac{6}{9} + \frac{2}{8} =$$

$$\frac{5}{12} + \frac{1}{2} =$$

$$\frac{3}{9} + \frac{8}{9} =$$

$$\frac{8}{10} + \frac{2}{6} =$$

**Fractions = Decimals = Percents**

For a Khan Academy lesson on changing fractions to decimals to percents, go to:

<http://www.khanacademy.org/math/arithmetic/fractions/v/representing-a-number-as-a-decimal--percent--and-fraction-2>.

Complete the table.

	Fraction	Decimal	Percent
1.	$\frac{1}{2}$		50%
2.		0.6	
3.			44%
4.	$\frac{1}{4}$		
5.			35%
6.		0.24	
7.	$\frac{3}{8}$		
8.			12%
9.		0.66	
10.	$\frac{7}{10}$		

## Divide and Conquer!

Write a fraction for each division expression.

1.  $3 \div 5 =$  \_\_\_\_\_

2.  $5 \div 8 =$  \_\_\_\_\_

3.  $9 \div 11 =$  \_\_\_\_\_

4.  $1 \div 4 =$  \_\_\_\_\_

5.  $7 \div 9 =$  \_\_\_\_\_

6.  $4 \div 7 =$  \_\_\_\_\_

7. Explain the relationship between division and fractions.

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## DATA, DATA EVERYWHERE

Find the mean and mode for each set of data.

1) 8, 6, 20, 8, 18, 18

Mean \_\_\_\_\_ Mode \_\_\_\_\_

3) 6, 14, 11, 14, 15, 6

Mean \_\_\_\_\_ Mode \_\_\_\_\_

2) 18, 12, 17, 11, 13, 17, 19, 13

Mean \_\_\_\_\_ Mode \_\_\_\_\_

4) 17, 17, 19, 17, 15

Mean \_\_\_\_\_ Mode \_\_\_\_\_

5) Number of wins for the Newland High School Hawks each year for the last 10 years: 41, 50, 57, 60, 45, 41, 33, 41, 43, 44.

Mean \_\_\_\_\_ Mode \_\_\_\_\_