Name:	Rotation:
Find the equivalent for the fraction/decimal/percent.	#19

Fractions	Decimal	Percent
The probability of rolling a 1 on a die is $\frac{1}{6}$. Write this as a decimal and a percent.		
	Change 0.05 into a fraction and a percent.	
		27.5% of students prefer to eat eggs for breakfast. Write this percent as a decimal and a fraction.

Use lined paper to calculate the following questions, if needed.

1) 2 is 8% of what number?	2) What number is 1% of 44?	3) 5 is what percent of 20?
4) Calculate the product of 12.05 and 0.142.	5) Find the quotient of 64.53 and 0.9.	6) Evaluate the power $5^4 =$ _____ Name the Base: _____, Exponent: _____

Chapter 7
Rates, Ratios, and Proportions

This chapter covers the following Minnesota Academic Standards.

	Benchmark
Strand II: Number Sense	II.A
Strand III: Patterns, Functions, and Algebra	III.B.G10

**MATHEMATICS
MCA-II / GRAD COMPONENT**

7.1   Rate

Example 1:   Laurie traveled 312 miles in 6 hours. What was her average rate of speed?

Divide the number of miles by the number of hours. $\dfrac{312 \text{ miles}}{6 \text{ hours}} = 52$ miles/hour

Laurie's average rate of speed was 52 miles per hour (or 52 mph).

Complete all 12 - 6 of them you can use a calculator.

Find the average rate of speed in each problem below.

1. A race car went 500 miles in 4 hours. What was its average rate of speed?

2. Carrie drove 124 miles in 2 hours. What was her average speed?

3. After 7 hours of driving, Chad had gone 364 miles. What was his average speed?

4. Anna drove 360 miles in 8 hours. What was her average speed?

5. After 3 hours of driving, Paul had gone 183 miles. What was his average speed?

6. Nicole ran 25 miles in 5 hours. What was her average speed?

7. A train traveled 492 miles in 6 hours. What was its average rate of speed?

8. A commercial jet traveled 1,572 miles in 3 hours. What was its average speed?

9. Jillian drove 195 miles in 3 hours. What was her average speed?

10. Greg drove 8 hours from his home to a city 336 miles away. At what average speed did he travel?

11. Caleb drove 128 miles in two hours. What was his average speed in miles per hour?

12. After 9 hours of driving, Kate had traveled 405 miles. What speed did she average?