

MasterMath

Name _____

Ratios and Rates

Date _____

1. Write these ratios as a fraction in simplest form

ratio	fraction
1 to 3	
3 to 1	
3 : 1	
15 : 30	

ratio	fraction
8 boys to 4 girls	
16 hits : 48 at bats	
125 miles : 2 hours	
12 right : 6 wrong	

ratio	fraction
1/4 : 1/8	
\$5 : \$2.50	
6 to 2	
4 to 10	

2. Find the unit rate

	unit rate
\$16 in 4 hours	
32 hits in 96 at bats	
450 miles on 15 gallons	
\$1.20 for 8 oz.	
6 cans for \$1.56	

	unit rate
100 yards in 12 seconds	
10 hours for \$25	
16" in 16 months	
2200' in 11 seconds	
200 calories in 8 oz.	

3. Determine each unit rate



pack	unit rate
2 ball	
3 ball	
12 ball	

4. Over a recent 10 year period, the population of Florida increased from 12,938,000 to 15,982,000. What was the growth per year?

5. Your family took a trip to Colorado. On the 1st day, you traveled 450 miles in 10 hours. On the 2nd day, you traveled 300 miles in 6 hours. For the 2 days of driving, what was your average miles per hour?

6. You can buy a large, 32 oz bottle of orange juice for \$4.80, or a smaller, 18 oz bottle for \$3.60. What is the unit rate of each?

size	unit rate
18 oz.	
32 oz.	