

# MasterMath

Name \_\_\_\_\_

Date \_\_\_\_\_

## Rates

1. Find a rate and a unit rate

Situation	Rate	Unit Rate
144 calories in a 6 ounce container	$144/6$	24
175 miles traveled in 7 hours	$175/7$	25
\$75 earned in 10 hours	$75/10$	7.5
1 room painted in 2 hours	$1/2$	.5

Situation	Rate	Unit Rate
\$54 for 6 tickets	$54/6$	9
270 feet in 6 minutes	$270/6$	45
\$15 for 4 ice cream cones	$15/4$	3.75
32 lbs in 12 months	$32/12$	2.67

- 2.

You heart beats 300 times in 5 minutes. What is your heart beat rate per second?

1

3. Are these rates equivalent?

Rate 1	Rate 2	Equivalent?
\$125 per 5 hours	\$70 per 3 hours	N
6 miles in 12 seconds	30 miles in 1 minute	Y
325 hits in 975 at bats	4 hits in 9 times at bat	N
180 calories in 8 ounces	350 calories in a pound	N
45 caps in 2 weeks	1,170 caps in a year	Y
.6 dogs per household	15 dogs in 30 households	N

4. You can buy pickles for 4 for a quarter. You spend \$6.25 on pickles. How many do you purchase?



100

5. How fast per second do you need to run to make it around this block in 200 seconds?



13'/sec