

Name: \_\_\_\_\_

Answer the following multiplication and division questions, do not round.

1)  $5 \times 10 =$

11)  $50 \div 10 =$

2)  $85 \times 10 =$

12)  $900 \div 100 =$

3)  $98 \times 10 =$

13)  $250 \div 10 =$

4)  $834 \times 100 =$

14)  $20 \div 10 =$

5)  $3.62 \times 1000 =$

15)  $542 \div 1000 =$

6)  $5.23 \times 10 =$

16)  $293 \div 10 =$

7)  $9.256 \times 100 =$

17)  $90000 \div 1000 =$

8)  $4.3 \times 100 =$

18)  $0.29 \div 10 =$

9)  $5.55 \times 10 =$

19)  $50 \div 1000 =$

10)  $6.34 \times 1000$

20)  $59 \div 10 =$

Describe a rule for multiplying by a power of 10:

Describe a rule of dividing by a power of 10:

<b>Number</b>	<b>Multiplication/ Division</b>	<b>Power</b>	<b>Metric Prefix</b>
One Thousand (1,000)	$1 \times 10 \times 10 \times 10$		
One Hundred (100)	$1 \times 10 \times 10$		
Ten (10)	$1 \times 10$		
One (1)	1		
One tenth (0.1 or $\frac{1}{10}$ )	$1 \div 10$		
One hundredth (0.01 or $\frac{1}{100}$ )	$1 \div 10 \div 10$		
One thousandth (0.001 or $\frac{1}{1000}$ )	$1 \div 10 \div 10 \div 10$		