

Name: _____

6.1 Ratios using Meters

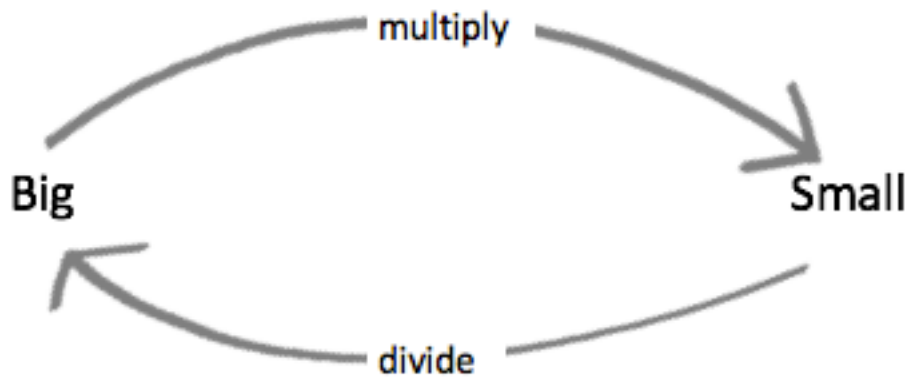
Directions: For each problem, set up equivalent ratios. To get full credit, you must have the ratios set up. The answer is less important than the setup!

Part One Meters and Kilometers	
1. Change 2,350 meters to kilometers $\frac{1,000 \text{ meters}}{1 \text{ kilometer}} = \frac{2,350 \text{ meters}}{? \text{ kilometers}}$	2. Change 5 kilometers to meters $\frac{1,000 \text{ meters}}{1 \text{ kilometer}} =$
3. Change 5,350 meters to kilometers	4. Change 11 kilometers to meters
5. Change 52 kilometers to meters	6. Change 25 kilometers to meters

Part Two Meters and Centimeters	
1. Change 35 meters to cm $\frac{100 \text{ cm}}{1 \text{ m}} = \frac{\text{cm}}{\text{m}}$	2. Change 5 cm to meters =
3. Change 2 meters to cm	4. Change 11 meters to cm
5. Change 52 cm to meters	6. Change 25 cm to meters

SHORTCUT!

Kilo	Hecto	Deka	Meter	Deci	Centi	Milli
0.001	0.01	0.1	1	10	100	1,000



Part Three: Practice	
<i>Use any method you want to convert the following:</i>	
1. 25 meters to kilometers	2. 3 centimeters to meters
3. 5 kilometers to meters	4. 8 meters to kilometers
5. 35,000 kilometers to centimeters	6. 35 centimeters to kilometers