Metric Conversions

**Number**

**Unit 3 Line Master 5a**

Convert each measure to the given unit.   
Write the resulting measure using scientific notation.

1 m = \_\_\_\_\_\_\_\_ cm

1 cm = \_\_\_\_\_\_\_\_\_ m

1 cm = \_\_\_\_\_\_\_\_\_ mm

1 mm = \_\_\_\_\_\_\_\_ cm

1 m = \_\_\_\_\_\_\_\_ mm

1 mm = \_\_\_\_\_\_\_\_ m

1 mm = \_\_\_\_\_\_\_\_ µm

1 µm = \_\_\_\_\_\_\_\_\_ mm

1 µm = \_\_\_\_\_\_\_\_ nm

1 nm = \_\_\_\_\_\_\_\_\_ µm

1 nm = \_\_\_\_\_\_\_\_\_ km

1 km = \_\_\_\_\_\_\_\_\_ nm

Metric Conversions (cont’d)

**Number**

**Unit 3 Line Master 5b**

Record how you would convert from each unit along the side to each unit along the top.  
Write each conversion factor in standard form and using scientific notation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **m** | **cm** | **mm** | **µm** | **nm** |
| **m** |  |  |  |  |  |
| **cm** |  |  |  |  |  |
| **mm** |  |  |  |  |  |
| **µm** |  |  |  |  |  |
| **nm** |  |  |  |  |  |