

Name : _____

Metric System Conversion Worksheet

Convert the following.

① $591\text{m} = \underline{\hspace{2cm}} \text{km}$

② $\underline{\hspace{2cm}} \text{L} = 6720\text{mL}$

③ $\underline{\hspace{2cm}} \text{mm} = 13.3\text{cm}$

④ $0.49\text{m} = \underline{\hspace{2cm}} \text{cm}$

⑤ $2700\text{g} = \underline{\hspace{2cm}} \text{kg}$

⑥ $7.73\text{km} = \underline{\hspace{2cm}} \text{m}$

⑦ $\underline{\hspace{2cm}} \text{m} = 923\text{cm}$

⑧ $149\text{mm} = \underline{\hspace{2cm}} \text{cm}$

⑨ $27.15\text{L} = \underline{\hspace{2cm}} \text{mL}$

⑩ $\underline{\hspace{2cm}} \text{g} = 3.17\text{kg}$

Compare using $<$, $>$, or $=$ for the following.

① $1\text{L} \quad \square \quad 960\text{mL}$

② $1000\text{m} \quad \square \quad 1\text{km}$

③ $920\text{m} \quad \square \quad 0.85\text{km}$

④ $1200\text{g} \quad \square \quad 12\text{kg}$

⑤ $4.5\text{cm} \quad \square \quad 47\text{mm}$

⑥ $3.7\text{m} \quad \square \quad 370\text{cm}$

⑦ $2.5\text{L} \quad \square \quad 250\text{mL}$

⑧ $1850\text{g} \quad \square \quad 1.8\text{kg}$

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Metric System Conversion Worksheet

Answers

① $591\text{m} = \underline{0.591} \text{ km}$

② $\underline{6.72} \text{ L} = 6720\text{mL}$

③ $\underline{133} \text{ mm} = 13.3\text{ cm}$

④ $0.49\text{ m} = \underline{49} \text{ cm}$

⑤ $2700\text{ g} = \underline{2.7} \text{ kg}$

⑥ $7.73\text{ km} = \underline{7730} \text{ m}$

⑦ $\underline{9.23} \text{ m} = 923\text{ cm}$

⑧ $149\text{ mm} = \underline{14.9} \text{ cm}$

⑨ $27.15\text{ L} = \underline{27150} \text{ mL}$

⑩ $\underline{3170} \text{ g} = 3.17\text{ kg}$

① $1\text{L} \quad > \quad 960\text{mL}$

② $1000\text{m} \quad = \quad 1\text{km}$

③ $920\text{m} \quad > \quad 0.85\text{km}$

④ $1200\text{ g} \quad < \quad 12\text{kg}$

⑤ $4.5\text{ cm} \quad < \quad 47\text{ mm}$

⑥ $3.7\text{ m} \quad = \quad 370\text{ cm}$

⑦ $2.5\text{L} \quad > \quad 250\text{mL}$

⑧ $1850\text{ g} \quad > \quad 1.8\text{kg}$