Worksheet: Metric Conversions

Name Anabel Paine

1. **0.057 m to km**

$\frac{1}{0.001} = \frac{0.057}{5.7 \times 10^{-5}\ Km}$ $X = 5.7 \times 10^{-5}\ Km$

2. **13 cm^3 to mL**

$\frac{1\ cm^3}{1\ mL}\ \frac{13\ cm^3}{13\ mL}$ $X = 13\ mL$

3. **0.986 hours to seconds**

$\frac{1\ hr}{3600\ sec} = \frac{0.986\ hr}{3549.6\ sec}$ $X = 3549.6\ sec$

4. **3.004 L to mL**

$\frac{1\ L}{1000\ mL} = \frac{3.004\ L}{3004\ mL}$ $X = 3004\ mL$

5. **86 kg to g**

$\frac{1\ Kg}{1000\ g} = \frac{86\ Kg}{86000\ g}$ $X = 86000\ g$

6. **24 cm^3 to L**

$\frac{1\ cm^3}{0.001\ L} = \frac{24\ cm^3}{0.024\ L}$ $X = 0.024\ L$

7. **56,000 µg to kg**

$\frac{1\ g}{1000000\ \mu g} = \frac{0.056\ g}{56{,}000\ \mu g}$

$X = 0.056\ g$

$\frac{1\ g}{0.001\ Kg} = \frac{0.056\ g}{5.6 \times 10^{-5}\ Kg}$ $X = 5.6 \times 10^{-5}\ Kg$

8. **56 km to mm**

$\frac{1\ Km}{1000000\ mm} = \frac{56\ Km}{56000000\ mm}$ $X = 56000000\ mm$

9. **20 km to feet**

$\frac{1\ Km}{3280.84\ ft} = \frac{20\ Km}{65616.8\ ft}$ $X = 65616.8\ ft$