Key

More Metric Conversions

1. 15.6 m = 0.0156 km

$$15.6\ m \times \frac{1\ km}{1000\ m}$$

2. 1.78 kg = 1780 g

$$1.78\ kg \times \frac{1000\ g}{1\ kg}$$

3. 710 mL = 0.710 L

$$710\ mL \times \frac{1\ L}{1000\ mL}$$

4. 347 cm = 3.47 m

$$347\ cm \times \frac{1\ m}{100\ cm}$$

5. 9 km = 9 000 000 mm

$$9\ km \times \frac{1000\ m}{1\ km} \times \frac{1000\ mm}{1\ m}$$

6. 5900 mg = 0.0059 kg

$$5900\ mg \times \frac{1\ g}{1000\ mg} \times \frac{1\ kg}{1000\ g}$$

7. 89 kL = 89 000 000 mL

$$89\ kL \times \frac{1000\ L}{1\ kL} \times \frac{1000\ mL}{1\ L}$$

8. 2200 Mm = 2200000000 m

$$2200\ Mm \times \frac{1\,000\,000\ m}{1\ Mm}$$

9. 298 hg = 29800 g

$$298\ hg \times \frac{100\ g}{1\ kg}$$

10. 4690 µm = 4.690 mm

$$4690\ \mu m \times \frac{1\ m}{1\,000\,000\ \mu m} \times \frac{1000\ mm}{1\ m}$$

11. 400 daL = 4000 L

$$400\ daL \times \frac{10\ L}{1\ daL}$$

12. 8.75 kg = 875000 cg

$$8.75\ kg \times \frac{1000\ g}{1\ kg} \times \frac{100\ cg}{1\ g}$$

13. 0.35 m = 3.5 dm

$$0.35\ m \times \frac{10\ dm}{1\ m}$$

14. 0.96 cL = 0.000096 hL

$$0.96\ cL \times \frac{1\ L}{100\ cL} \times \frac{1\ hL}{100\ L}$$

Squared Metric Unit Conversions (Area Conversions)

1. $20\ m^2 =$ 200 000 cm^2

$$20\ m^2 \left| \frac{100^2\ cm^2}{1^2\ m^2} \right.$$

2. $2.5\ km^2 =$ 2 500 000 m^2

$$2.5\ km^2 \left| \frac{1000^2\ m^2}{1^2\ km^2} \right.$$

3. $40000\ mm^2 =$ 0.04 m^2

$$40\,000\ mm^2 \left| \frac{1^2\ m^2}{1000^2\ mm^2} \right.$$

4. $0.05\ m^2 =$ 50000 mm^2

$$0.05\ m^2 \left| \frac{1000^2\ mm^2}{1^2\ m^2} \right.$$

5. $0.0001\ km^2 =$ 100000000 mm^2

$$0.0001\ km^2 \left| \frac{1000^2\ m^2}{1^2\ km^2} \right| \frac{1000^2\ mm^2}{1\ m^2}$$

6. $7000000000\ mm^2 =$ 0.007 km^2

7 billion!!!

$$7\,000\,000\,000\ mm^2 \left| \frac{1^2\ m^2}{1000^2\ mm^2} \right| \frac{1^2\ km^2}{1000^2\ m^2}$$

Cubed Metric Unit Conversions (Volume Conversions)

1. $0.000003\ m^3 =$ 3 cm^3

$$0.000003\ m^3 \left| \frac{100^3\ cm^3}{1^3\ m^3} \right.$$

2. $0.00004\ km^3 =$ 40000 m^3

$$0.00004\ km^3 \left| \frac{1000^3\ m^3}{1^3\ km^3} \right.$$

3. $40000000\ mm^3 =$ 0.04 m^3

$$40\,000\,000\ mm^3 \left| \frac{1^3\ m^3}{1000^3\ mm^3} \right.$$

4. $0.005\ m^3 =$ 5 000 000 mm^3

$$0.005\ m^3 \left| \frac{1000^3\ mm^3}{1^3\ m^3} \right.$$

5. $0.000000000000001\ km^3 =$ 1000 mm^3

$$0.000000000000001\ km^3 \left| \frac{1000^3\ m^3}{1^3\ km^3} \right| \frac{1000^3\ mm^3}{1^3\ m^3}$$

6. $40000000000000000\ mm^3 =$ 0.04 km^3

40 quadrillion

$$40\,000\,000\,000\,000\,000\ mm^3 \left| \frac{1^3\ m^3}{1000^3\ mm^3} \right| \frac{1^3\ km^3}{1000^3\ m^3}$$