Unit Conversions Worksheet

1)	How many inches are there in 45.6 cm? (There are 2.54 cm in 1 inch)
2)	How many centimeters are there in 1.23 x 10 ⁻⁶ kilometers?
3)	How many hours are there in 34.5 years?
4)	How many inches are there in 355 millimeters?
5)	How many milliliters are in a cubic meter? (There are 1,000 L in 1 m ³)
6)	How many miles are there in 3.44×10^8 inches? There are 0.61 miles in 1 km).

Unit Conversions Worksheet - Solutions

1) How many inches are there in 45.6 cm? (There are 2.54 cm in 1 inch)

18.0 inches

2) How many centimeters are there in 1.23 x 10⁻⁶ kilometers?

0.123 cm (There are several ways to do this one, here's just one example.)

0.00000123 km	1000 m	1 cm	= 0.123 cm
	1 km	0.01 m	

3) How many hours are there in 34.5 years?

3.02 x 10⁵ hours (Same idea here, lots-o-ways.)

4) How many inches are there in 355 millimeters?

14.0 inches (Ditto)

OR

5) How many milliliters are in a cubic meter? (There are 1,000 L in 1 m³)

6) How many miles are there in 3.44 x 10⁸ inches? There are 0.61 miles in 1 km).