

# Metric Mania

Name \_\_\_\_\_

## English $\leftrightarrow$ Metric Conversions

Use the chart and a calculator to convert each measurement. Be sure to show your work. Round answers to the nearest hundredth if needed.

To go from	To	Multiply by
ml	-> fl oz	0.0338
fl oz	-> ml	29.575
l	-> gal	0.2642
gal	-> l	3.785

To go from	To	Multiply by
cm	-> in	0.3937
in	-> cm	2.54
m	-> ft	3.2808
ft	-> m	0.3048
km	-> mi	0.6214
mi	-> km	1.609

To go from	To	Multiply by
g	-> oz	0.0353
oz	-> g	28.35
kg	-> lbs	2.2046
lbs	-> kg	0.4536

- 1) 16 in = \_\_\_\_\_ cm
- 2) 345 lbs = \_\_\_\_\_ kg
- 3) 56 g = \_\_\_\_\_ oz
- 4) 450 km = \_\_\_\_\_ mi
- 5) 1200 ml = \_\_\_\_\_ fl oz
- 6) 40 m = \_\_\_\_\_ ft
- 7) 4 gal = \_\_\_\_\_ l
- 8) 12 fl oz = \_\_\_\_\_ ml
- 9) 50 kg = \_\_\_\_\_ lbs
- 10) Penny has a pencil that is 19 cm long. How long is the pencil in inches?
- 11) Macho Mel can lift 200 kilograms with ease. How much is this in pounds?
- 12) The distance between Happyville and Giggleland is 60 miles. How far is this in kilometers?
- 13) A can of Cheap-O soda holds 355 ml of soda. How many milliliters would be in 2 cans of soda?
- 14) A cookie recipe calls for 1 pound of butter. How many grams of butter would be needed for 3 batches?

## English or Metric Worksheet - ANSWER KEY

1. 40.64 cm
2. 156.49 kg
3. 1.98 oz
4. 279.63 mi
5. 40.56 fl oz
6. 131.23 ft
7. 15.14 l
8. 354.9 ml
9. 110.23 lbs
10. 7.48 in (19 x .3937)
11. 440.92 lbs (200 x 2.2046)
12. 96.54 km (60 x 1.609)
13. 710 ml (355 x 2)
14. 1360.8 g (1 lb -> 16 oz x 28.35 x 3)