

Conversions Miscellaneous Quiz

Name KEY

1) 72 miles is how many km?

1 mi = 1.61 km

$$\frac{72 \text{ miles}}{1 \text{ mile}} \times \frac{1.61 \text{ km}}{1} = 115.92 \text{ km}$$

2) I weigh 62.2 kg. How many pounds is this?

1 kg = 2.2 lbs

$$\frac{62.2 \text{ kg}}{1 \text{ kg}} \times \frac{2.2 \text{ lbs}}{1} = 136.84 \text{ lbs}$$

3) Which metric wrench is closest to a 5/32 inch wrench?

10 mm = 1 cm

$$5 \div 32 = .15625$$

1 in = 2.54 cm

$$\frac{.15625 \text{ in}}{1 \text{ in}} \times \frac{2.54 \text{ cm}}{1 \text{ cm}} \times \frac{10 \text{ mm}}{1 \text{ cm}} = 3.9688 \approx 4 \text{ mm}$$

4) A 16 mm wrench is how many inches?

$$\frac{16 \text{ mm}}{10 \text{ mm}} \times \frac{1 \text{ cm}}{2.54 \text{ cm}} \times \frac{1 \text{ in}}{1} = .63 \text{ inches}$$

ANSWERS WILL VARY

5) About how many hours old are you? Round your age to the nearest whole number

$$\frac{17 \text{ years}}{1 \text{ year}} \times \frac{365 \text{ day}}{1 \text{ day}} \times \frac{24 \text{ hours}}{1 \text{ day}} = 148,920 \text{ hours}$$