| | |
|---|---|
| How long is an unsharpened #2 pencil? | 19 cm |
| How wide is an unsharpened #2 pencil? | 1.0 cm |
| How much does a beach ball weigh? | 0.48kg |
| What is the diameter of a beach ball? | 30.48cm |
| If an window air conditioner unit is 31.4 by 49.6 by 49.5, what is the volume? | PRACTICE QUICK MENTAL MATH!<br><br>50 x 50 = 2,500<br>2,500 x 30 = 75,000<br>75,000 + 2,500 = 77,500 cm$^3$ |
| If the radius of a bowling ball is 10.8cm, what is the circumference? | PRACTICE QUICK MENTAL MATH!<br><br>10.8 x 2 x pi = 10.8 x 6.25<br><br>= 64.8 + 2.7 = 67.5 |
| If a bowling ball weighs 7.3 kg, what is the relationship between the mass and weight? Which one is greater? | The weight is greater. On earth, weight = 9.81 x mass. |
| If a dime is 1.79cm wide, what is the circumference? | PRACTICE QUICK MENTAL MATH!<br><br>1.79 x 3.14 = 1.8 + 1.8 + 1.8 – 0.03 + 0.18 = 5.55cm |
| Convert 12 kgf (kilogram force) into newtons. | 12 * 9.81 = 117.72 N |
| Convert 4.8 femtometers into meters. | (-15 – 0) x 1 + 0 = 4.8 x 10$^{-15}$ m |
| Convert 147.7 picograms into grams. | (-12 – 0) x 1 + 2 = 1.477 x 10$^{-10}$ g |
| Convert 3,547,832 seconds into days. | s/d = 24 x 3,600 = 86,400<br><br>3,547,832 / 86,400 = 41.06 days |
| Convert 314,159,265 millimeters into kilometers | (-3 – 3) x 1 + 8 = 2<br>3.14159265 x 10$^2$ km |