

Name: _____ Class: _____ Date: _____



Converting Metric Units

Solve the following problems using your Metric Ladder (Page 103).

Practice Problems:

1. Dylan Ahearn is 180 cm tall, also known as _____ meters.
2. An Advil contains 0.2 grams of medicine, also known as _____ mg.
3. A large bottle of Coke has a volume of 2 liters, also known as _____ ml.
4. The spaceship's engines produced 50,000 N of force, also known as _____ kN.
5. The blade of grass was 0.5 centimeters thick, also known as _____ mm.

After the Class Discussion:

_____ m = 18 cm

_____ N = 1 kN

88 cm = _____ m

_____ L = 100 ml

100 g = _____ kg

500 mm = _____ m

1 kg = _____ mg

0.56 m = _____ cm

_____ kB = 1,200 bytes

1000 mg = _____ g

2.4 L = _____ ml

_____ km/s = 12 m/s

Real-World Problems:

1. How much Tylenol is in the whole bottle?



_____ mg

_____ g

_____ kg

2. How much Sprite is in the entire six-pack?



_____ ml

_____ L

_____ kL

3. According to www.Walmart.com, a six-pack of Sprite costs \$1.98 while a 2 Liter bottle of Sprite costs \$1.48. Which is the better deal?

Once you've finished, go check the answer key on Mr. A's desk.