Name _____ Date _____

Metric System Problems - Guided Lesson Explanation

Explanation # 1

As we know: 1 km = 1,000 meters.

To calculate the altitude in kilometers:

1,400,000 ÷ 1,000 = 1,400 kilometers

So, the answer is 1,400 kilometers.

Explanation # 2

Step 1) milliliters would be for small units and liters would be for large units.

Step 2) We should classify each item as large or small and choose the units that go with the size.

a) a bucket – large - liters

b) a thimble - small - milliliters

c) a water storage tank - large - liters

d) a baby-sized carton of juice – small - milliliters

Explanation # 3

We know: 1 kg = 1000 g.

James needs 1000 g of flour for baking, but he already has 600 g.

To calculate remaining part:

1000g – 600g = 400g

So, James needs 400g of flour for baking.