

Test Review

Name: _____

Metric Conversions/Review

Meters is to length as grams are to _____

Grams is to mass as liters are to _____

Graduated cylinders is to volume as three beam balances are to _____

Volume is to graduated cylinders as mass is to _____

Conversions (Use ladder method)

4mg=_____g

6kg=_____mg

140km=_____m

300ml=_____L

404mg=_____kg

16m=_____km

Bringing it all together

Which is bigger a gram(g) or a kilogram(kg)? How much bigger?

Which is bigger a milligram(mg) or a kilogram(kg)? How much bigger?

Volume and Area (read carefully)

If my width is 2cm, my height is 20mm, and my length is 2cm, what is my volume?

If my width is 2cm, my height is 2cm, and my length is 2cm, what is my volume?

If my width is 2cm, my height is 20mm, and my length is 2cm, what is my volume?

If my width is 4cm, my height is 60mm, and my length is 2cm, what is my area?

Conversions (yes you may use your conversion chart)

Solve the following and show your work. Use conversion factors and be sure to include your units.

1. 2.8g to lbs=

2. 4.47L to cups=

3. 45mi to km=

4. 13mi/hr to mi/sec=

Speed and Acceleration (Show all work and units for full credit)

1. Riley hijacks a car and manages to travel 400 miles in four hours. He runs out of gas...and pushes it another 20mi before his parents catch him. The whole trip takes five and a half hours.

How long was Riley pushing the car?

What was Riley's speed for the first part of his trip?

What was Riley's speed for the second part of the trip?

What was Riley's average speed?

Is there enough information to determine acceleration?

If so...what is Riley's acceleration?

DID YOU INCLUDE YOUR UNITS AND WORK? IM WATCHING YOU LIKE A HAWK ;)

1. Mrs. Monson is an outrageously crazy driver. She accelerates from 15mph to 100mph in 4 seconds.

What is Mrs. Monson's speed per second?

What is Mrs. Monson's acceleration?

2. Evvie is on a roller coaster. A scary one...it travels its total one mile in ten seconds. In addition, it tops out at 80mph halfway through. Be afraid :)

What is Evvie's speed?

What is Evvie's acceleration?