

Apprenticeship Math 12

ASSIGNMENT: Measurement Conversion Problems

Name: _____

Date: _____

SHOW YOUR WORK... and don't forget to include units with your answer!

1. Marnie owns a carpet store and sells hallway runners for \$9.52/linear foot (all lengths are rounded up to the nearest foot). Ralph needs 3.9 m of runner for his hallway. How much will it cost?

2. A school custodian must mark off a field that is 150 ft by 85 ft. His tape measure is marked in metres. What are the dimensions of the field in metres? Round to the nearest tenth.

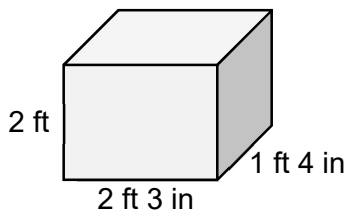
_____ by _____

3. Jeff knows that his semi-trailer truck is 3.2 m high. A tunnel is marked as "**Max. height: 10'6**". Will Jeff's truck fit through the tunnel?

4. The trip from Prince Rupert to Seattle is 1033 miles. If you average 90 km/h, how many hours would it take to drive (excluding pit stops)?

5. A florist requires 10 inches of ribbon for each bouquet of flowers she creates. How many bouquets will she be able to create from 5 yards of ribbon?

6. An airline will accept luggage whose length, width and height add up to no more than 1.6 m. Will the airline accept the box shown below?



7. A nickel is 1.95 mm thick. About how long is a \$2.00 roll of nickels in inches? Round your answer to the nearest whole inch. Hint: How many nickels (5¢) are in \$2.00?

8. The length of a loveseat is 1.5 m and the length of a couch is 2.1 m. Suppose the length of the box on a moving truck is 14 ft. How many linear feet are remaining after the loveseat and couch are placed in the box end to end? Round to the nearest hundredth.
