

**ASSIGNMENT: Converting between Metric
and Imperial Measurements**

Name: _____

Date: _____

Please show your work! Where appropriate, round to the nearest hundredth.

1. Make the following conversions:

a) 2.5 yards = _____ m

b) $62\frac{3}{4}$ inches = _____ cm

c) 42 cm = _____ inches

d) 5.8 m = _____ yards

e) 6.25 km = _____ miles

f) 26.2188 miles = _____ km

g) 45 m = _____ feet

h) $21\frac{7}{8}$ feet = _____ m

i) 1 foot 4 inches = _____ mm

j) 3.1 yards = _____ cm

k) 7 feet $1\frac{3}{4}$ inches = _____ m

l) 15 km = _____ yards

m) 1.3 m = _____ inches

2. Mary is delivering a load of goods from Vancouver, BC, to Seattle WA. In Seattle, she is picking up another load to deliver to Albuquerque, NM. The distance from Vancouver to Seattle is 220 km and the distance from Seattle to Albuquerque is 1456 mi. The odometer in Mary's truck records distances in kilometres. What is the total distance she will travel, in kilometres?

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

4. 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 (to the nearest tenth of a metre)?

_____ by _____

5. 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?
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6. The tallest person in the world was Robert Pershing Wadlow. At the time of his death in 1940, he was 8’11.1” tall. The record for the world’s shortest adult was held by He Pingping; at the time of his death in 2010, he was 2’4.7”. What is the difference between their heights in metres?
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1. a) 2.29 m	b) 159.39 cm	c) 16.54 in	d) 6.34 yd
e) 3.88 mi	f) 42.19 km	g) 147.64 ft	h) 6.67 m
i) 406.40 mm	j) 283.46 cm	k) 2.18 m	l) 16404.20 yd
m) 51.18 in	2. 2563 km	3. \$123.76	4. 45.7 m by 25.9 m
5. Yes, it will just fit (truck is 125.98 in)	6. 1.99 m		