

2.5 Practice

1. Use a proportion to solve the following. Round to the nearest hundredth.

a. 4 inches to millimeters

b. 3 miles to kilometres

c. 9 metres to feet

d. 81 yards to metres

e. 5 kilometres to miles

f. 75 cm to inches

g. 56 feet to metres

h. 156mm to inches

i. 575 yards to metres

j. 834 miles to kilometres

2. Charlie drove from Calgary to Saskatoon, which is a distance of 620 km. How far is this in miles?

3. 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?

4. 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?

5. Carla needs 3.5 m of cloth. If the cloth she wants to purchase costs \$9.78/yd., how much will the cloth cost?

6. Suzanne purchased tiles for her patio that are 8" by 4". She measured her patio in imperial units and wants to convert the tile dimensions to metric units. What are the dimensions of a tile in centimetres?

7. Benjamin owns an older truck. The odometer shows distance travelled in miles. On a recent trip to deliver produce for his employer, he drove 1564 mi. His employer pays him \$0.89/km for the use of his own truck. How much will he be reimbursed for the use of his truck on the trip?

8. Mary owns a carpet store and sells hallway runners for \$9.52 per linear foot.
 - a. How much is this per linear yard?

 - b. How much is this per linear metre?

 - c. Ralph needs 3.9 m of the runner for his hallway. How much will it cost?