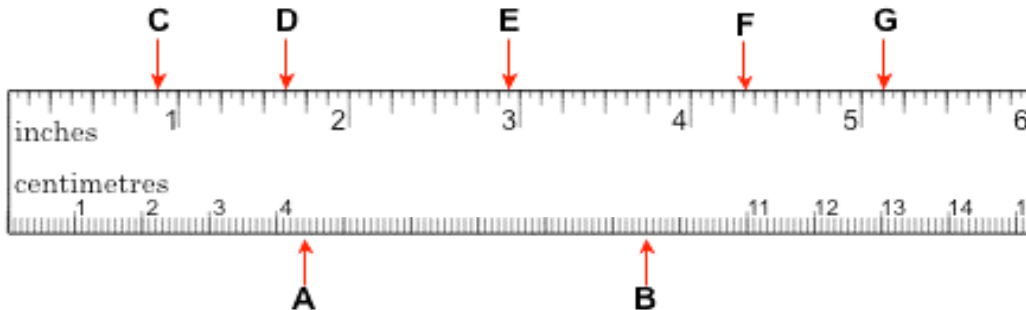# Measurement Test Review

1.  Determine the most suitable units in both metric and imperial systems for measuring the following items.

|  | **Metric Unit Used** | **Imperial Unit Used** |
|---|---|---|
| a)  The height a person | _____ | _____ |
| b)  The distance from Gimli to Selkirk | _____ | _____ |
| c)  The width your finger nail | _____ | _____ |
| d)  The length of a room | _____ | _____ |

2.  Find the measurements represented by each of the arrows on the ruler below.

3. Convert each of the following. Remember to show your work!

    a) 3.1 m    = _____ km

    b) 200 m  = _____ cm

    c) 8 551 yards = _____ miles

    d) 53 ft    = _____ in

4. Perform the following calculations. **Remember to show your work!**

    a) 5.4 km + 65 m    = _____ m

    b) 4.6 cm – 23.6 mm    = _____ mm

    c) 2 yd, 3 ft + 7 yd, 2 ft    = _____ ft

    d) 3 mi, 2 yd – 1 mi, 13 yd = _____ yd

5. Convert each of the following. **Remember to show your work**.

    a) 13.5 yd$^3$    = _____ m$^3$

    b) 9 ft    = _____ m

    c) 4.2 km    = _____ yd

6. If a fever of 105 °F is dangerous, if a little boy has a fever of 41°C, is he in danger?

7. If a construction worker only works between -2 °F and 40 °F. What is the temperature range he will work in expressed in Celsius?

8. Angie weighs 145 lbs. What would this weight be in kilograms?

9. Jade is born with a weight of 7 pound and 3 ounces. What is her total weight expressed in ounces?

10. Andy wants to replace the Tile in his bathroom that has a backsplash of 4 ft × 10 ft. The price to replace the tile with labour is $17.99/m² (taxes are included).

a) What is the area to be replaced in m².

b) What is the total cost of the tile?

11. Convert the following ingredients in imperial units:
(Change all decimals into fractions.)

550 ml     flour
160 ml     sugar
7 ml        baking powder
5 ml        vanilla
170 g      butter
36 g        egg whites

12. Mrs. Flower is building a flower box that is 5 ft wide, 12 ft long and 6 inches high.

a) Express the width, length and height in yards.

b) How many cubic yards of soil will she need to fill the sand box (V = l×w×h)?

c) If soil costs $16/yd³, how much will Mrs. Builder have to pay for sand?