

Name: _____

Math 10W Unit 3 Assessment Quiz 1

*show all of your work.

1) What are the **COMMON** units we use to measure with in the **metric system**?

mm, cm, m, km

2) What are the **COMMON** units we use to measure with in the **imperial system**?

in, ft, yd, mi

3) Write the most appropriate common unit in the system given that you would use to measure the following.

a) an eraser (imperial) in

b) length of the school (metric) m

c) length of the school (imperial) yd

d) length of a whiteboard marker (metric) cm

Use your Formula Sheet to help you answer the following 5 questions. Circle the most appropriate answer to each question: (1 mark each)

4. How many inches are in 4.7 feet?

- a. 0.4 inches
- b. 14.1 inches
- c. 56.4 inches
- d. 8272 inches

$$4.7 \text{ Ft} \times 12 = 56.4 \text{ in}$$

5. How many centimetres are in 67.8 metres?

- a. 0.678 cm
- b. 6.78 cm
- c. 678 cm
- d. 6780 cm

$$67.8 \text{ m} \times 100 = 6780 \text{ cm}$$

6. How many kilometres are in 16 504 metres?

- a. 1.6504 kilometres
- b. 16.504 kilometres
- c. 165.04 kilometres
- d. 1650.4 kilometres

$$\frac{16504 \text{ m}}{1000} = 16.504 \text{ km}$$

7. How many inches are in 123 centimetres?

- a. 48.43 in
- b. 307.5 in
- c. 312.42 in
- d. 1230.7 in

$$123 \div 2.54 = 48.43$$

8. How many kilometres in 160 miles?

- a. 99.42 km
- b. 160 km
- c. 257.44 km
- d. 1600 km

$$160 \times 1.609 = 257.44$$