

**Assignment 1**  
**Conversions**

**Name:** \_\_\_\_\_

1. Convert the following measurements.

- |                       |                       |
|-----------------------|-----------------------|
| a) 15 ft. to inches   | b) 156 yd. to feet    |
| c) 648 in to yd       | d) 84 480 ft to miles |
| e) 26 400 yd. to feet | f) 18 mi. to yards    |

2. Convert the following measurements.

- |                                 |   |
|---------------------------------|---|
| a) 99 in. to feet and inches    | b) 4 yd. 2 ft. to inches                |
| c) 521 ft. to yards and feet    | d) 383 inches to yards, feet and inches |
| e) 235 feet to yards and feet   | g) 26 yd. 4 ft. 6 in. to inches         |
| h) 15 919 ft. to miles and feet | i) 10 688 yd. to miles, and yards       |
| j) 6 mi. 28 yd. 18 ft. to feet  | k) 28 925 ft. to miles, yards, and feet |

3. Convert the following measurements.

- |                     |               |
|---------------------|---------------|
| a) 45 mm to meters  | b) 79 m to mm |
| c) 830 cm to meters | d) 93 m to cm |
| e) 73 km to meters  | f) 96 m to km |

4. Convert the following measurements.

- |                          |                         |
|--------------------------|-------------------------|
| a) 24 yd. to centimetres | b) 4 ft. to centimetres |
| c) 13 in. to centimetres | d) 87 yd. to metres     |
| e) 94 m to inches        | f) 183 km to miles      |
| g) 276 mm to inches      | h) 86 cm to inches      |
| i) 8 ft. to metres       | j) 7 mi. to kilometres  |

5. Convert:

- |                               |                               |
|-------------------------------|-------------------------------|
| a) 4 ft. 9 in. to millimetres | b) 3 yd. 2 ft. to centimetres |
| c) 840 cm to yards and feet   |                               |

6. Jason wants to install colonial baseboard in his living room. His living room is 17 ft. 5 in. by 16 ft. 2 in. There is also an archway that leads into the dining room which measures 4ft. 3 in. (He does not need baseboards for the archway.)

- a) What is the total length of baseboards needed?
- b) Colonial baseboards are sold in 8 ft. lengths. How many pieces of baseboards does he need ?

- c) Each length of moulding cost \$7.89. How much will the baseboards cost before taxes?
7. Tammy drove 85 km to a camp site. Todd drove 52 mi. to meet Tammy at the camp site. Who drove farther? Justify your answer.
8. A truck driver wants to park her 3.25-m high truck in a storage shed that is 11 ft. 6 in. high. Will the truck fit in the shed? Justify your answer.
9. To qualify for the school volleyball try-outs, Rick needs to be able to jump and touch a line on a wall that is 8 ft. 2 in. off the ground. In his workouts, Rick jumped 243 cm. Will he qualify for the try-outs? Justify your answer
10. The cross-country running team is preparing for a meet. Katy ran 18 laps around the 400-yd. track and Ben ran 7.5 km. Who ran farther? Justify your answer.