

Math 10C
1.3 Assignment

Name: _____

1. Convert:

a) 24 yd. to centimetres 1 yd. = _____ cm 24 yd. = 24 x _____ 24 yd. = _____	b) 5 in. to centimetres 1 in. = _____ 5 in. = _____ x _____ 5 in. = _____
c) 8 ft. to metres 1 ft = _____ 8 ft. = _____ x _____ 8 ft. = _____	d) 7 mi. to kilometres 1 mi. = _____ 7 mi. = _____ 7 mi. = _____

2. Convert:

a) 12 m to inches 1 m = _____ in. 12 m = 12 x _____ 12 m = _____	b) 7 km to miles 1 km = _____ mi. 7 km = _____ x _____ 7 km = _____
c) 276 mm to inches 1 mm = _____ 276 mm = 276 x _____ 276 mm = _____	d) 86 cm to inches 1 cm = _____ 86 cm = _____ x _____ 86 cm = _____

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3. Convert:

<p>a) 4ft. 9in. to millimetres</p> <p>Convert feet to inches first.</p> <p>1 ft. = _____</p> <p>4 ft. = _____ x _____</p> <p>4 ft. = _____</p> <p>4 ft. 9 in. = _____ + 9 in.</p> <p>4 ft. 9 in. = _____</p> <p>Convert inches to millimetres.</p> <p>1 in. = _____ cm</p> <p>1 in = _____ mm</p> <p>_____ in. = _____ x _____</p> <p>4 ft. 9 in. = _____ mm</p>	<p>b) 3 yd. 2 ft. to centimetres</p> <p>Convert yards to feet first.</p> <p>1 yd = _____</p> <p>3 yd. = _____ x _____</p> <p>3 yd = _____</p> <p>3 yd. 2 ft. = _____ + _____</p> <p>3 yd. 2 ft. = _____</p> <p>Convert feet to centimetres.</p> <p>1 ft = _____ in</p> <p>_____ ft. = _____ m</p> <p>_____ in = _____ x _____</p> <p>3 yd. 2 ft. = _____</p>
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4. Tammy drove 85 km to a campsite. Todd drove 52 mi. to meet Tammy at the campsite. Who drove farther? Justify your answer.

Convert miles to _____.

1 mi. = _____

52 mi. = _____ x _____

52 mi. = _____

Since _____ is _____ than _____, _____ drove farther.

5. 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.

Convert feet to inches.

Convert inches to centimetres.

Since _____ is _____ than _____, Rick _____ qualify.

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6. 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.

Since Katy ran approximately _____ and Ben ran _____, _____ ran farther.

7. Convert:

- a) 16 ft. to metres
 - b) 27 mi. to kilometres
 - c) 44 mm to inches
 - d) 840 cm to yards and feet
8. Nina ran an 8-km race for charity. What is this distance in miles and yards?

8 km is approximately _____.