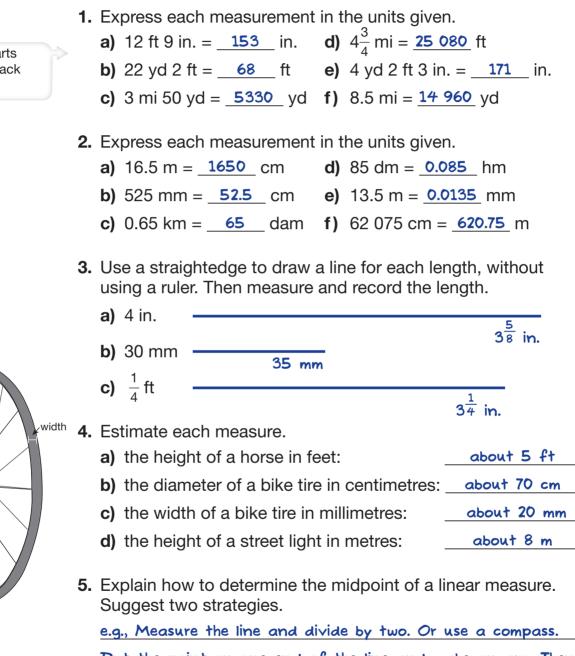
Chapter Review



Put the point on one end of the line and make an arc. Then put the point on the other end of the line and make another arc. Connect the points where the arcs intersect and that line will go through the midpoint of the line.

Hint Use the charts

inside the back cover.

6. Express each measurement in the units given. Round to one decimal place.

a) 15 in. ≐ <u>38.1</u> cm	d) 8 mi ≐ <u>12.9</u> km
b) 12 ft ≐ <u>3.7</u> m	e) 4 yd 1 ft ≐ <u>4.0</u> m
c) 21 yd ≐ <u>19.1</u> m	f) 20 ¹ / ₂ mi ≐ <u>33.0</u> km

7. Express each measurement in the units given. Round to one decimal place.

a) 2.5 m ≐ <u>2.7</u> yd	d) 8.5 km ≐ <u>5.3</u> mi
b) 120 mm ≐ <u>4.7</u> in.	e) 13.25 m ≐ <u>43.3</u> ft
c) 84 cm ≐ <u>32.8</u> in.	f) 620 hm ≐ <u>38.4</u> mi

$\left(\right)$	Imperial to SI
	1 in.
	1 ft ≐ 0.31 m
Γ	1 yd ≐ 0.91 m
	1 mi ≐ 1.61 km

SI to Imperial
1 mm = 0.039 in.
1 cm ≐ 0.39 in.
1 m ≐ 1.09 yd
1 km ≐ 0.62 mile

8. A jumbo jet is flying at 24 000 ft. A Learjet is flying at 7500 m. Which jet is flying at the higher elevation? Show how you know.

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Learjet: 7500 m x 1.09 yd/m \doteq 8175 yd
8 175 yd = 24 525 ft
The Learjet is flying at a higher elevation because
24 525 feet is higher than 24 000 feet.
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9. How many lengths must you swim in a pool that is 25 yd long to swim 1 km?

1 km = 1000 m 1000 m x 1.09 yd/m ± 1090 yd 1090 yd ÷ 25 yd/length = 43.6 lengths You need to swim almost 44 lengths.

10. Carpenters use two-by-fours to frame houses. These are pieces of lumber that are $1\frac{1}{2}$ in. thick and $3\frac{1}{2}$ in. wide. What are the dimensions of a two-by-four in centimetres?

e.g., 1.5 in. x 2.54 cm/in. ± 3.81 cm 3.5 in. x 2.54 cm/in. ± 8.89 cm It is about 3.8 cm thick and about 8.9 cm wide.

