

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

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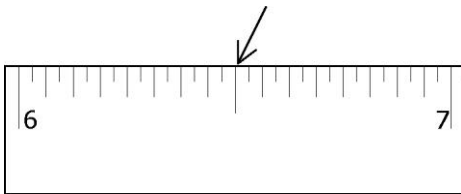
## Chapter 2 Review

1. Express each answer in feet and inches.

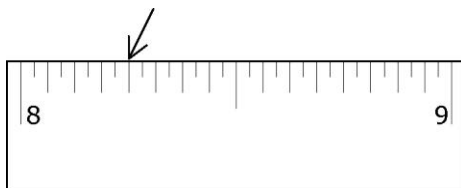
- a)  $3'' + 10''$
- b)  $9'' + 6''$
- c)  $3' 2'' + 6' 5''$
- d)  $3' 2'' + 6' 11''$
- e)  $(4 \text{ ft } 10 \text{ in.}) \times 2$
- f)  $(6' 6'') \times 3$

2. Give the distance from the beginning of the measuring tape to the arrow.

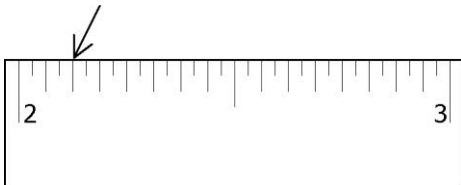
a)



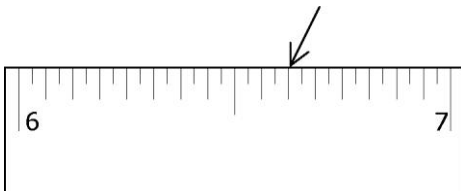
b)



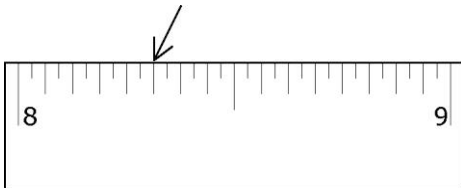
c)



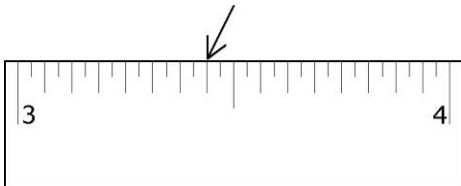
d)



e)



f)



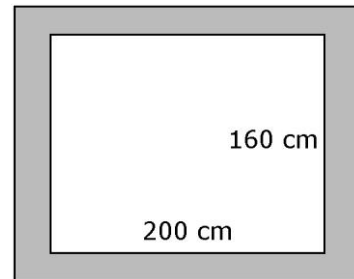
3. John is installing baseboard in a bedroom that measures 16 ft by 20 ft. The doorway and the closet in the room each measure 3 ft wide.

- a) What is the total length of baseboard needed?
- b) Baseboard is sold in 8-ft and 12-ft lengths. Give two combinations of baseboard that John can buy.

4. The swimming pool in Wedgewood Park is 20 yd long. What is the pool's length in feet?

5. A set of sticker labels are 24 mm wide and 10 cm long. Draw a rectangle that is exactly 24 mm wide and 10 cm long.

6. A mirror has a wooden frame. What is the length of frame needed to enclose the mirror shown? Express the answer in centimetres and in metres.



7. The women's world record for high jump is just over 2 m. Without measuring, use personal references to mark off about 2 m.



8. Approximate, and then convert each length in centimetres. Round to the nearest tenth.

- a) 3 inches    b) 5 inches
- c) 9 inches    d) 11 inches

9. Convert each length in #1 to millimetres.

10. Convert each to the nearest centimetre.

- a) 1 foot    b) 3 feet
- c) 5 feet    d) 7 feet

- 11.** Convert each SI distance to imperial units. Round each answer to the nearest 0.1 of a unit.  
**a)** 5 km   **b)** 15 km  
**c)** 75 km   **d)** 300 km

- 12.** Convert each imperial distance to SI units. Round each answer to the nearest tenth of a unit.  
**a)** 5 mi   **b)** 15 mi  
**c)** 75 mi   **d)** 300 mi

- 13.** A conservation officer is measuring the length of young salmon, or fry. The average length is 2.54 in. What is this length in centimetres?

- 14.** At an amusement park, the roller coaster rides have height restrictions that range from 3 ft to  $4\frac{1}{2}$  ft. What is this range in centimetres? Round to the nearest centimetre.

- 15.** Brian’s driver’s licence lists his height as 181 cm. How tall is Brian in feet and inches?

- 16.** Melissa is making blinds for her windows. In order to raise the blinds, she needs 80 yards of string.  
**a)** Estimate the number of metres of string needed. Show your work.  
**b)** Melissa decides to convert from yards to feet to inches and then, to centimetres to metres. How many metres of string are needed?

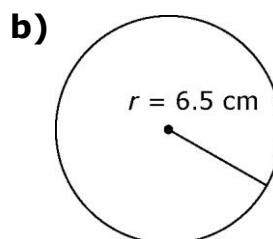
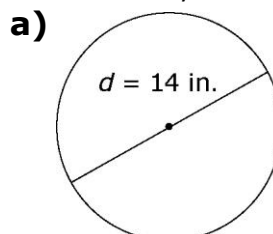
- 17.** Ruby works for a tour company. She needs to convert distances for American tourists. What is each distance in miles, to the nearest mile?

<b>a)</b> Grand Falls–Windsor to St. John’s	434 km
<b>b)</b> Grand Falls–Windsor to Gander	97 km
<b>c)</b> Grand Falls–Windsor to Deer Lake	210 km
<b>d)</b> Grand Falls–Windsor to Port-aux-Basques	477 km

- 18.** Patrick is driving from Labrador City to Goose Bay via Churchill Falls. What is each distance in kilometres, to the nearest kilometre?

<b>a)</b> Labrador City to Churchill Falls	143 mi
<b>b)</b> Churchill Falls to Goose Bay	172 mi

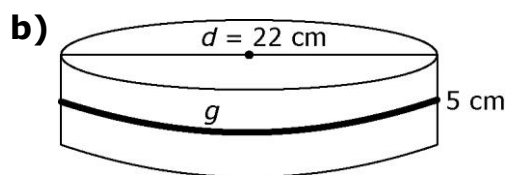
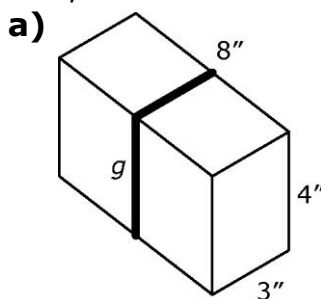
- 19.** Determine the circumference of each circle, to the nearest unit.



- 20.** What is the perimeter of each rectangle?

- a)**  $l = 16.2$  cm,  $w = 24.8$  cm  
**b)**  $l = 9$  in.,  $w = 7\frac{1}{2}$  in.

- 21.** What is the length + girth measurement of each shipping box, to the nearest unit?



- 22.** What is the midpoint of each length measurement?

- a)** 45"   **b)** 30.8 cm  
**c)**  $24\frac{1}{2}$  in.   **d)**  $12\frac{3}{4}$  in.

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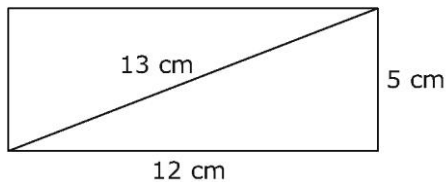
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**23.** Double each measurement.

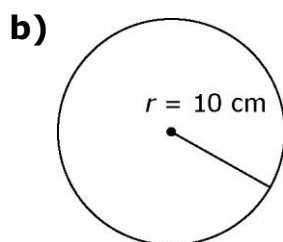
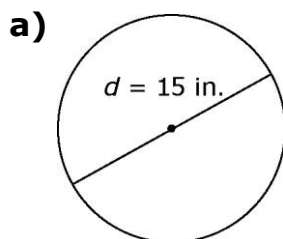
- a)** 9" **b)** 230.2 cm  
**c)**  $35\frac{1}{2}$  in. **d)**  $13\frac{5}{8}$  in.

**24.** Convert each SI answer from #5 to metres. Convert each imperial answer to feet and inches.

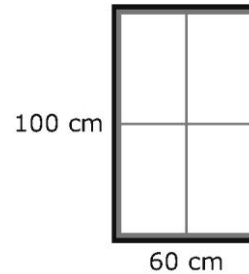
**25.** What is the midpoint of each measurement?



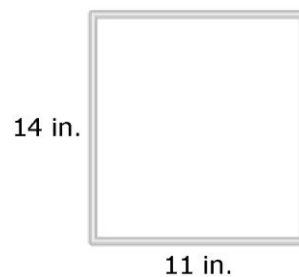
**26.** Determine the midpoint of the diameter of each circle.



**27.** Jack is installing trim around a window that measures 60 cm by 100 cm. Calculate the amount of trim that he needs to buy. Express your answer in metres and in centimetres.



**28.** A family portrait measuring 11 in. by 14 in. is being framed. Calculate the total amount of framing needed. Express your answer in feet and inches and in inches.



**29. a)** Nancy measures the width of a picture frame to be  $3\frac{1}{4}$  in. long. Draw a line exactly  $3\frac{1}{4}$  inches long.  
**b)** Nancy measures the width of the picture frame mat to be  $4\frac{3}{8}$  in. long. Draw a line exactly  $4\frac{3}{8}$  in. long.

**30.** A soccer goal is 8 ft. deep. How could you use personal references to mark off a width of approximately 8 ft?