LESSON

1 2

1. Measure one dimension of each object below to the nearest unit.
Which tool did you use?
Record each measurement using as many units as you can.
    a) a pencil case   **b)** a stapler   **c)** a computer screen   **d)** a table

2

2. Copy each statement. Use =, >, or < to make the statement true.
    a) 1.35 m ☐ 14.3 dm   **b)** 48 mm ☐ 3.7 cm   **c)** 75 cm ☐ 7.5 dm
    d) 2 km ☐ 1367 m   **e)** 267 cm ☐ 2.67 m   **f)** 895 mm ☐ 8.98 m

1 2

3. Draw a line 1.6 dm long.
Write the measurement using as many different units as you can.

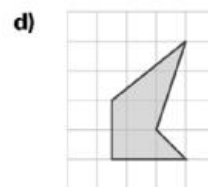**2**

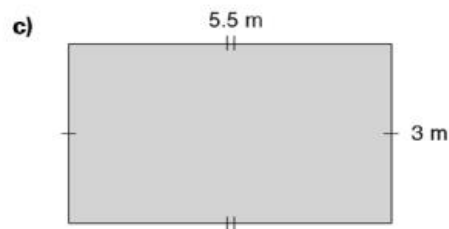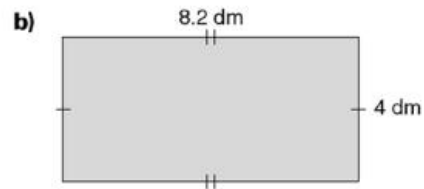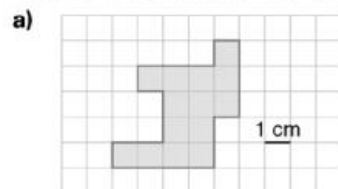**4.** Can you walk 100 000 mm in 2 min? Explain.

3

5. Find a cylindrical object such as a soup can.
Which do you think is greater—the height of the can or its circumference?
Measure to check your prediction. What did you find?

4 5 6

6. Find the perimeter of each figure.
Explain how you found each perimeter.
Write each perimeter in a different unit.

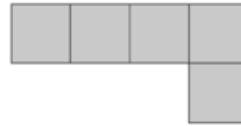**a)**

1 cm

b)

8.2 dm

4 dm

c)

5.5 m

3 m

d)

7. Find the area of each figure in question 6.
Explain how you did this.
For which figures is your measure of area an estimate? Explain.

8. Use Colour Tiles. Make this pentomino:
   a) Add tiles to the pentomino to make
   a figure with perimeter 18 units.
   Draw your figure on grid paper.
   b) What are the fewest tiles you can add to
   the pentomino to make a figure
   with perimeter 18 units? Draw your figure.
   c) What are the most tiles you can add to the pentomino to
   make a figure with perimeter 18 units? Draw your figure.
   d) Find the area of each figure you drew in parts a, b, and c.

9. Choose the most appropriate unit to measure:
   a) the length of the school parking lot
   b) the perimeter of a province
   c) the circumference of a birthday cake
   d) the width of a honeybee's leg
   e) the area of Lake Superior

10. Darlene built a rectangular dog pen with
area 24.5 m². The length of the pen is 5 m.
What is the width of the pen?

11. The building is one storey and rectangular.

Building for Rent 1200 m²

What might the dimensions of the floor be?
Give 3 different answers.

UNIT
9 Learning Goals

☑ measure linear dimensions
☑ relate units of linear measure
☑ use decimals to report
  linear measures
☑ explore circumference
☑ estimate and measure
  perimeter and area
☑ develop and use rules for
  calculating perimeter and area
  of a rectangle
☑ solve problems related to
  length, perimeter, and area