Name _____ Date _____

(**Master 9.6**)   **Additional Activity 1:**
                     A Kilometre of Dental Floss

Work on your own.

You will need a package of dental floss, and paper and pencil.

> ➢ Suppose each member of your family flosses her or his teeth
>   once a day.
>   Do you think your family would use more or less than 1 km of
>   dental floss in a year?

> ➢ Explain how you got your answer.

Take It Further:

Calculate about how many packages of dental floss equal 1 km.

Master 9.7   **Additional Activity 2:
Tangram Perimeters**

Work on your own.

You will need a tangram, paper and pencil, and a ruler.

> ➤ Use the tangram pieces.
>   Create a figure or a design.

> ➤ Trace the outline of your figure onto paper.
>   You may need to have a classmate help you hold
>   the pieces in place while you trace.

> ➤ Estimate first.
>   Then measure to find the perimeter of your figure
>   to the nearest tenth of a centimetre.

Take It Further:

Trade tracings with a classmate.
Measure to find the perimeter of your classmate's figure.

(**Master 9.8**) **Additional Activity 3:**
Calculating Perimeter and Area

Work with a partner.

You will need 5 cardboard rectangles of various sizes, labelled A, B, C, D, and E, a ruler, and paper and pencil.

- ➢ Choose a rectangle.
  One of you estimates the perimeter of the rectangle.
  The other estimates its area.
  Record your estimates.

- ➢ Measure the length and the width of the rectangle.
  Record these measurements.

- ➢ Use the measurements to calculate the perimeter,
  then the area of the rectangle.
  Record these measurements.

- ➢ Repeat with the other rectangles.

Take It Further:

Order the rectangles from least to greatest perimeter.
Then order them from least to greatest area.

Name _____ Date _____

**Additional Activity 4:
Investigating Hands**

Work in a group of 4.

You will need a pencil, 1-cm grid paper, string,
and measuring tape.

> ➤ Hold out your right hands so they are near.
>   Examine the 4 hands.
>   Estimate to order them from least to greatest area.

> ➤ Each of you trace your right hand onto 1-cm grid paper.
>   Find the approximate area of your hand.

> ➤ Order the hands from least to greatest area.
>   Compare the results with your estimate.

Take It Further:

Estimate to order the hands from least to greatest perimeter.
Use the string to find the perimeter of each hand.
Compare the results with your estimate.