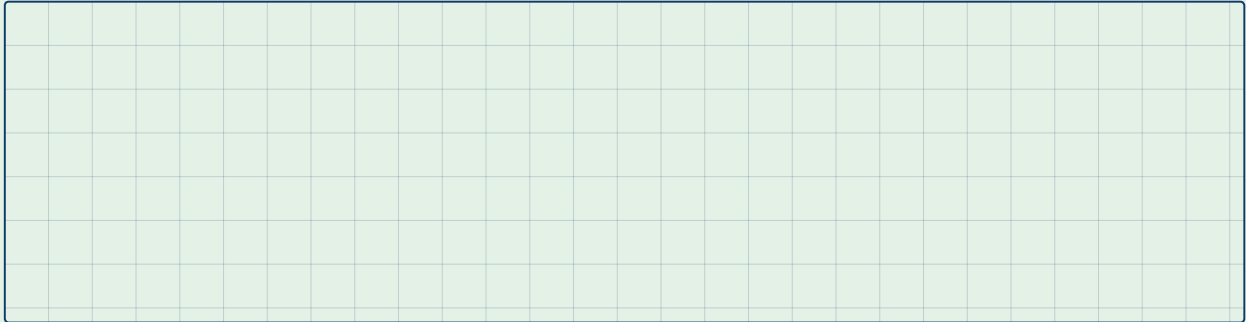


PERIMETER OF A REGULAR HEXAGON

- 1 Count the sides: there are six equal sides.
- 2 Each side measures 4 cm so multiply 4 by 6.
- 3 The total fence needed is 24 cm.

WARM-UP

Use the squared paper to draw each shape and set out the perimeter calculation.



1. Draw a regular hexagon with each side 4 cm and label all sides.
2. Draw an L-shape with sides 10 m, 8 m, 6 m, 4 m, 6 m, 8 m and label them.
3. Draw a rectangle 12 m by 7 m and label all sides.

PRACTICE

- 1 The school yard has a regular hexagonal path with each side 3 cm. How much fence is needed all the way round?
- 2 A regular pentagon flower bed in the yard has each side 5 cm. How much edging is needed?
- 3 The square playground area measures 11 m on each side. What is the perimeter for the new fence?
- 4 The caretaker measures an irregular yard plot with sides 12 m, 7 m, 5 m, 7 m, 12 m and 5 m. Find the perimeter.

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A regular shape's perimeter can be found by multiplying one side by the number of sides. ☐
- b. An irregular shape has an even number of sides. ☐
- c. You must add every side length separately to find perimeter. ☐
- d. A shape with all sides 10 cm long must be a regular pentagon. ☐

IRISH FACT

Walking the sideline

Walking right around the edge of a 145 m by 90 m GAA pitch covers a perimeter of 470 m.

GAA

