**ACADEMIC GUIDE – FOURTH GRADE**

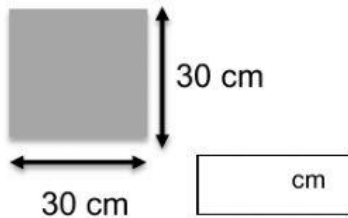| SUBJECT: MATHEMATICS | GRADE: | G | T | 1 | 2 | 3 | 4 | 5 | DATE: |
|---|---|---|---|---|---|---|---|---|---|
| | | 6 | 7 | 8 | 9 | 10 | 11 | | |
| STUDENT: | | TEACHER: KAREN NEWBALL – DANIEL PEÑA | | | | | | | |

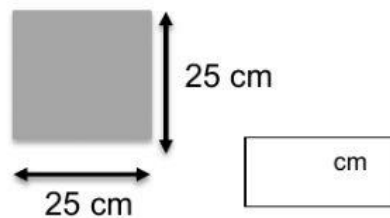## Measure

• Measure and calculate the perimeter of regular polygons

Challenge 1

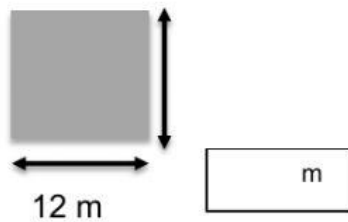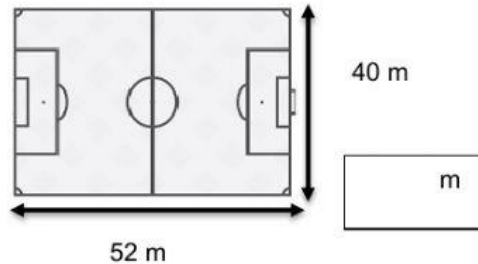1. Find the perimeter of the square patches of grass and large fields.
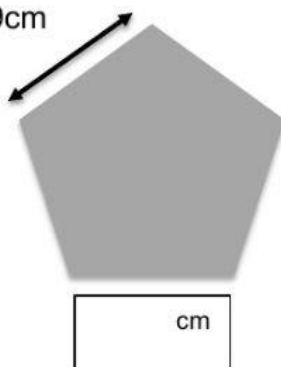
a.
30 cm
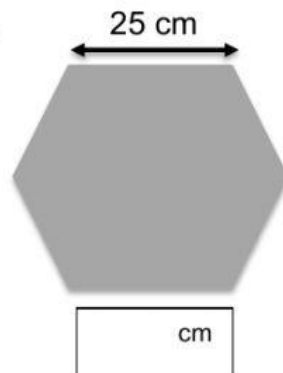30 cm
cm

b.
25 cm
25 cm
cm

c.
12 m
m

d.
40 m
52 m
m

**Note: Shapes are not drawn to scale**

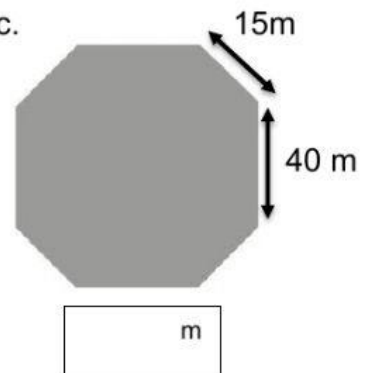2. Find the perimeter of each regular polygon.
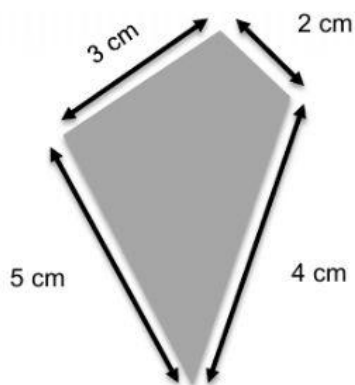
a. 9cm
cm

b. 25 cm
cm

c. 15m
40 m
m

**Measure**

• Measure and calculate the perimeter of irregular polygons

3. Find the perimeter of each irregular polygon.

**a.**

3 cm
2 cm
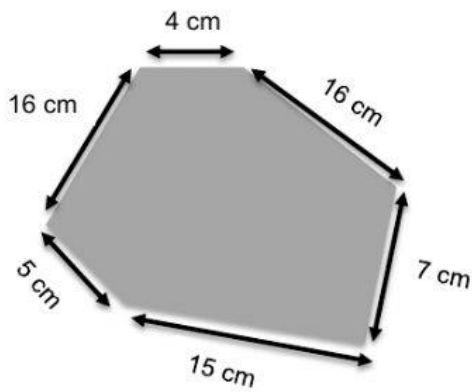5 cm
4 cm

**b.**

12 cm
6 cm
16 cm
15 cm
6 cm

Perimeter =       cm

Perimeter =       cm
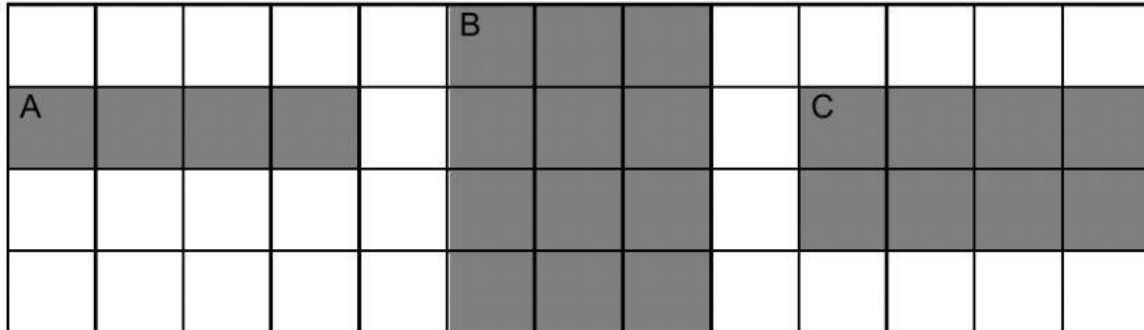
**c.**

4 cm
16 cm
16 cm
5 cm
7 cm
15 cm
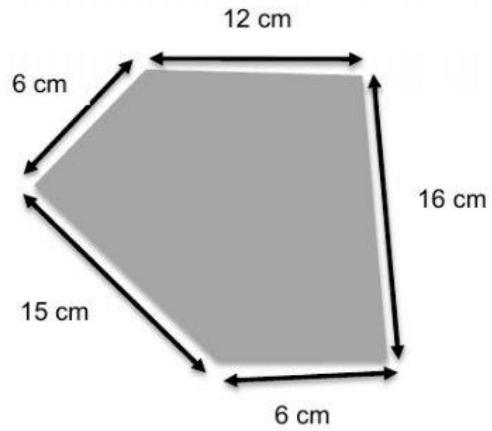
Perimeter =       cm

**Measure**

• Understand that area is measured in square units,  e.g. square centimeters
• Know that the area of a rectangle can be calculated by multiplying the number of squares in a row by the number of columns

4. Find the area of each rectangle by counting the squares. Each square is 1 cm by 1 cm.
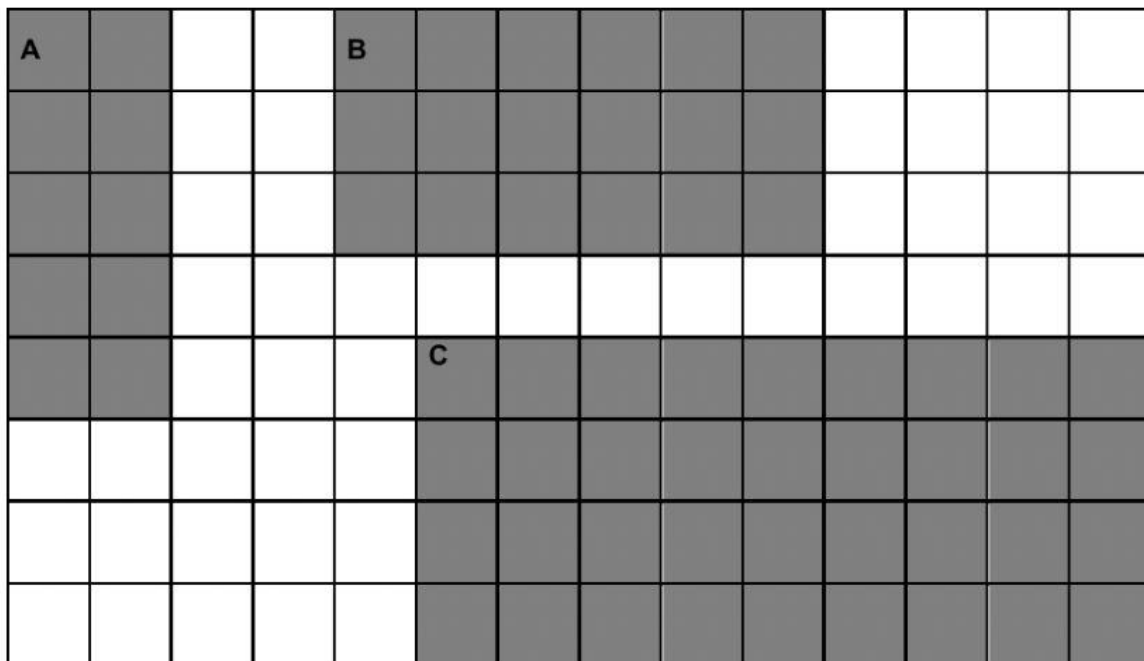
Area =      $cm^2$          Area =      $cm^2$          Area =      $cm^2$

5. Calculate the area of each rectangle. Each grid square is 1cm by 1 cm.

A=      $cm^2$          B=      $cm^2$          C=      $cm^2$