



Preactivity :- Lets begin in T.B. page no.140

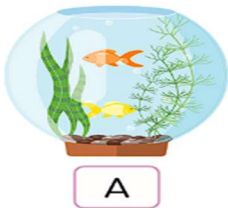
Let's Begin 

Kabeer and Prisha are at a shop to buy an aquarium for their home.



The aquarium shop has fish aquariums in many shapes and sizes.

They are all nice. I am thinking of buying a rectangular one.



A



B



D



E



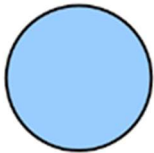
C



F

Match the aquariums with their top views. One has been done for you.

a



A

b



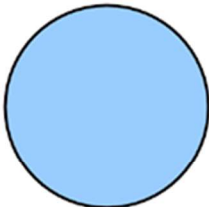
B

c



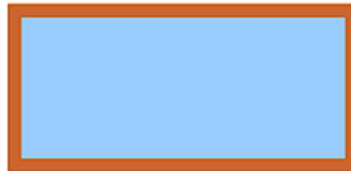
E

d



C

e

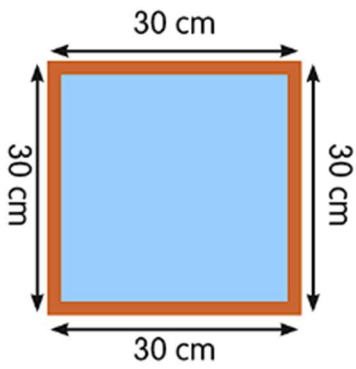


F

f



D



Perimeter =

$$30 \text{ cm} + 30 \text{ cm} + 30 \text{ cm} + 30 \text{ cm} = 120 \text{ cm}$$

The perimeter of aquarium E would be **120** cm.

TEXTBOOK PAGE NO. 143

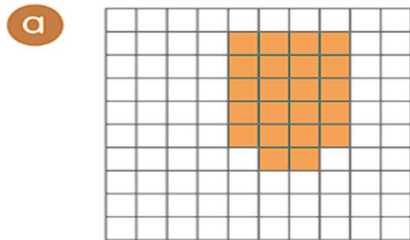
Concrete Stage

Use 'Geoboard' to find out the perimeter of your pencil box, eraser, lunch box, duster etc.

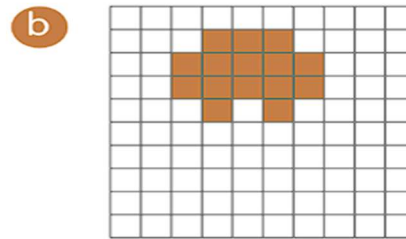
Answer: Answer may vary.

Pictorial Stage

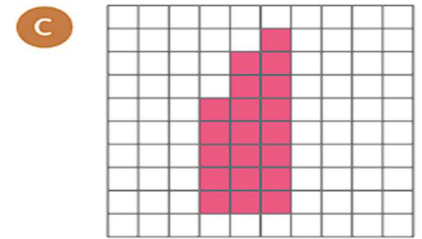
1 Find the perimeters of the shapes drawn on the square grids.



20 units

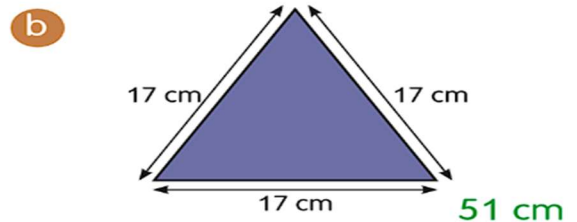
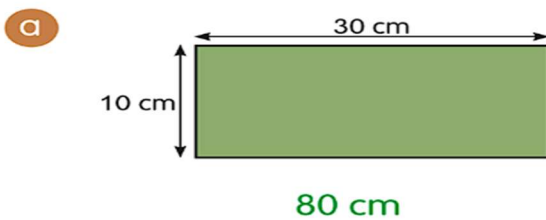


20 units

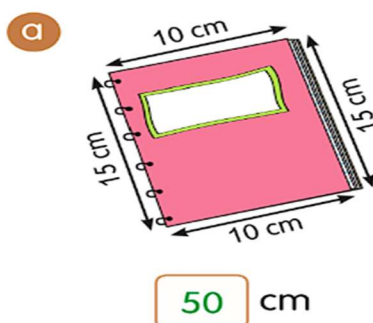


22 units

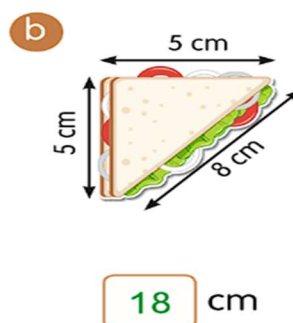
2 Calculate the perimeter of the given shapes.



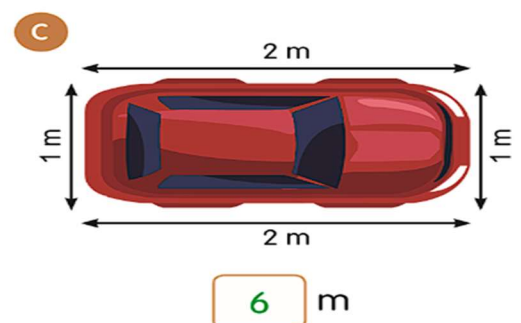
3 Calculate the perimeter of the following objects.



50 cm



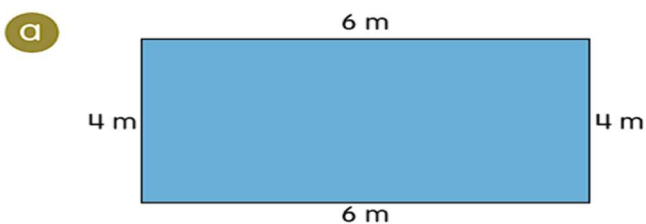
18 cm



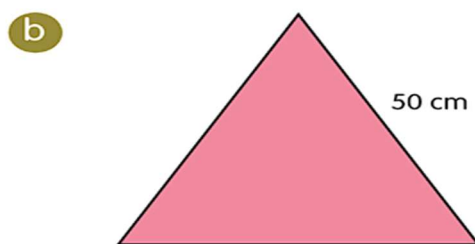
6 m

Abstract Stage

1 Calculate the perimeter of the given shapes.



Perimeter = 20 m.

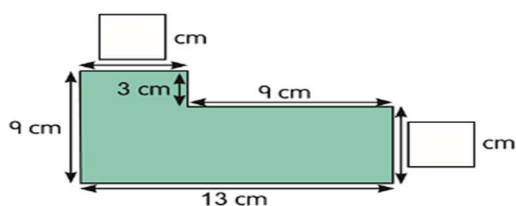


Perimeter = 150 cm.

2 Use 'Geoboard' to work out the perimeter of the following. Also, complete the table.

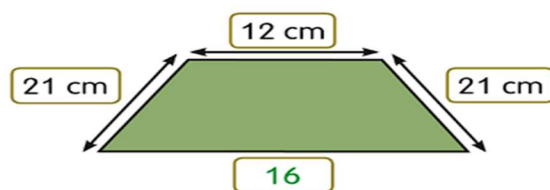
Shape	Measure	Perimeter
Rectangle	Length = 5 cm; Width = 3 cm	$5 + 3 + 5 + 3 = 16$ cm
Square	Side = 7 cm	$7 + 7 + 7 + 7 = 28$ cm

3 Fill in the missing lengths of the shape, and find its perimeter.



Perimeter = 44 cm

4 The perimeter of the shape is 70 cm. Find the missing length.



Number Talk

Kabeer says that if he has to find the perimeter of a square, he can use multiplication instead of addition. Do you agree with him? Will Kabeer be able to use the same method for a rectangle too? Discuss in class.

Answer: **Answer may vary.**

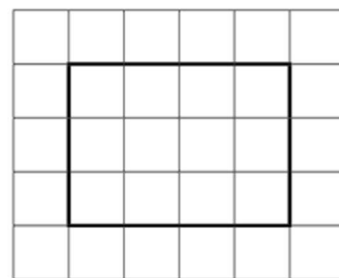
Let's calculate the area of the following image. Each square on the grid measures 1 cm.

Step 1: Count the number of 1 cm squares in a row.

Step 2: Count the number of 1 cm squares in a column.

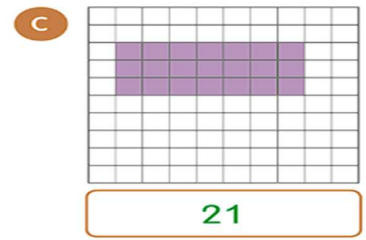
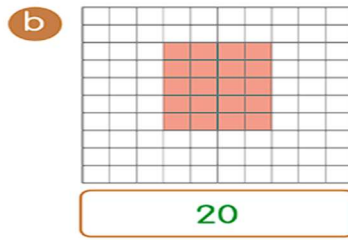
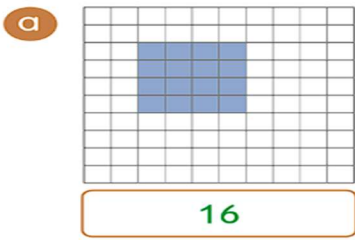
Step 3: Use multiplication to calculate the area.

$4 \times 3 = 12$

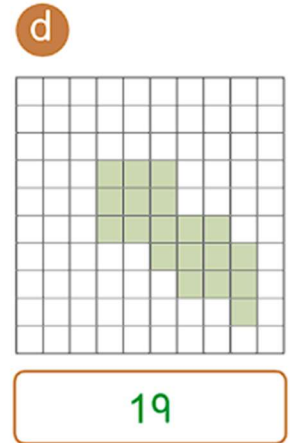
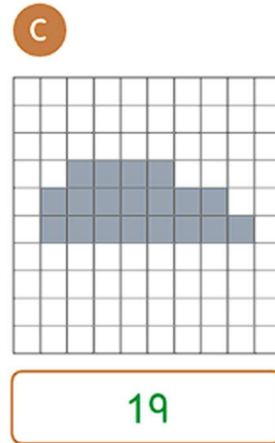
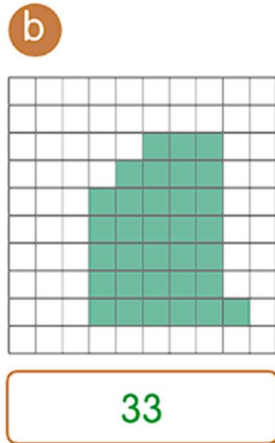
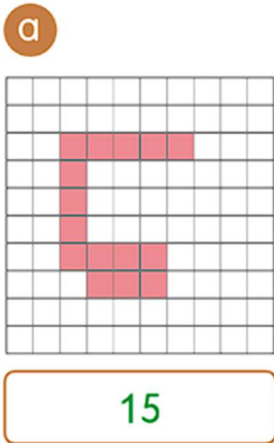


Pictorial Stage

1 Work out the area of the following objects:

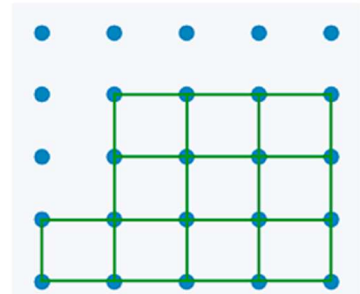
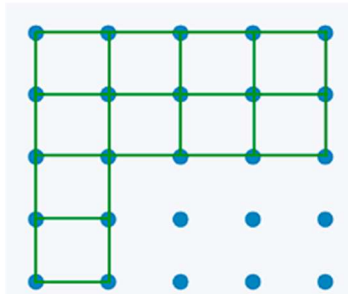
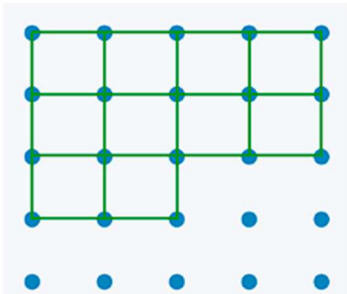


2 Work out the areas of the following shapes.



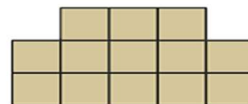
Abstract Stage

1 Draw three different shapes, each with an area of 10 sq. units.



2 How many squares need to be added to this shape so that it has an area of 25 sq. units?

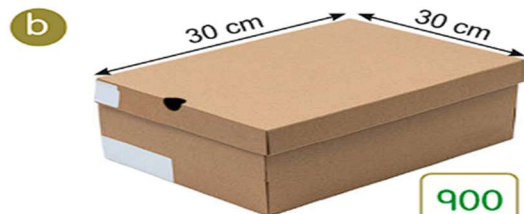
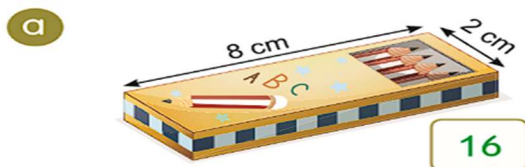
Answer: 12 sq. units.



Maths Fact:

Very large areas are measured in square kilometres or sq. km.

3 Work out the area of the following.



The table represents the area of a few islands. Use it to answer the following questions.

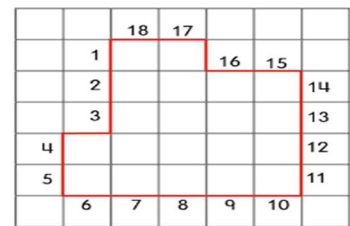
Name of the island	Country	Area in sq. km
Atka	USA	1061
Cameron	Canada	1059
Margarita	Venezuela	1020
Jeju	South Korea	1826
Bely	Russia	1810
Biak	Indonesia	1904

- a Name the island that has the greatest area. Biak
- b Complete the comparison statement using the symbols (<, >, or =).
- i. Area of Cameron > Area of Margarita
- ii. Area of Bely < Area of Jeju
- c Arrange the islands in ascending order of their areas.
- d Work out the difference in the areas of Atka and Biak islands.
 Answer: 843

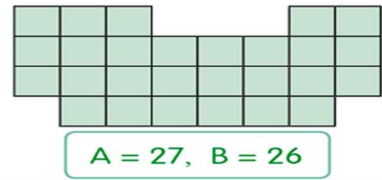
TEXTBOOK PAGE NO.149

Blooming Questions

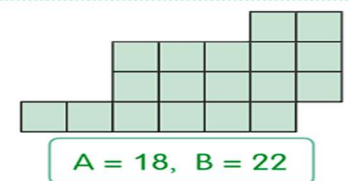
- 1 Kiran is solving perimeter problems. She counts the units of the given shape, and says that the perimeter of this shape is 18 units. Is Kiran right? Why/why not?
 Answer: 20 units.



- 2 Work out the perimeter and area of the given shape.
 Answer: A = 27; P = 26



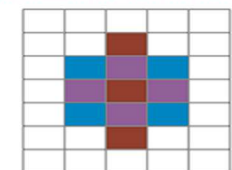
- 3 Work out the perimeter and area of the given shape.
 Answer: A = 18; P = 22



- 4 Jamaal drew a water tank on a square grid, as shown. If each unit of the square grid is 1 m, work out the perimeter of the water tank.
 Answer: 36



- 5 Nalini drew the shown design for her rug. Work out the perimeter of the design.
 Answer: 16



- 6 Draw a square and a rectangle having the same perimeter on a square grid.

Mental Maths

Calculate the missing length for the following.

a $1 + 1 + 5 + \boxed{13}$

Perimeter = 20

b $11 + 1 + 5 + \boxed{3}$

Perimeter = 20

c $7 + 5 + 5 + \boxed{13}$

Perimeter = 30

d $6 + 6 + 6 + \boxed{6}$

Perimeter = 24

e $10 + 15 + 10 + \boxed{15}$

Perimeter = 50

f $8 + 8 + 8 + \boxed{8}$

Perimeter = 32

Subject Teacher

HOD

COORDINATOR

PRINCIPAL

