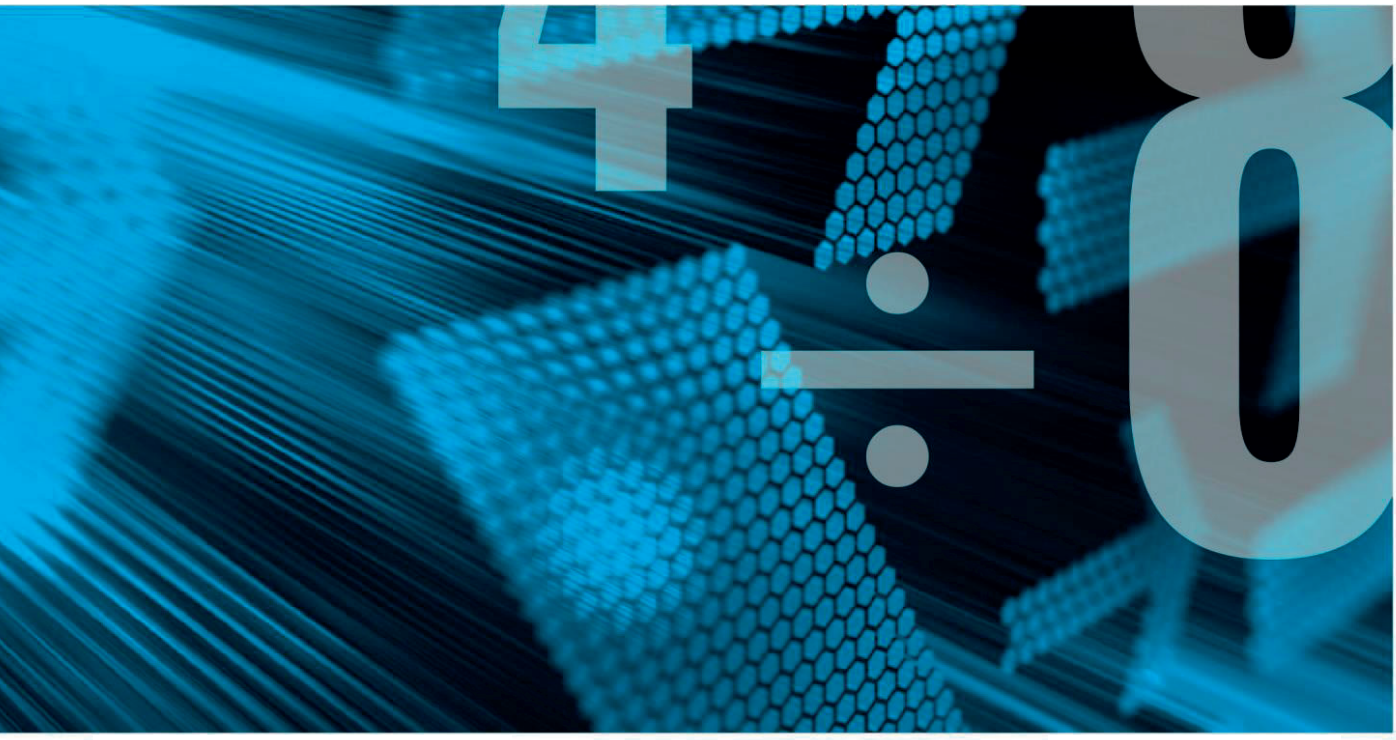
Junior Certificate School Programme

Sum Zone

Measurement of Regular Shapes

Student Workbook



An Roinn Oideachais agus Scileanna
Department of Education and Skills

PDST
Professional Development Service for Teachers | An tSeirbhís um Fhorbairt Ghairmiúil do Mhúinteoirí

Junior Certificate School Programme

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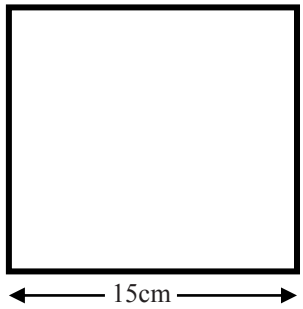
Chapter 1

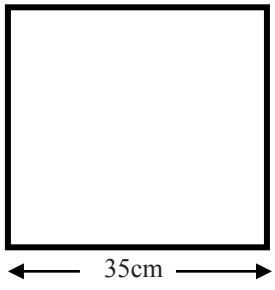
Perimeter and Area of Squares

1. (i) Find the perimeter of this square if each side is 15 cm in length.
   (ii)Find the area of this square.



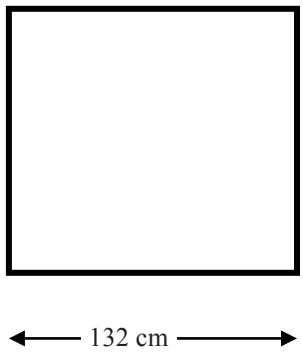
(i)	(ii)

2. (i) Find the perimeter of this square if each side is 35 cm in length.
   (ii) Find the area of this square.



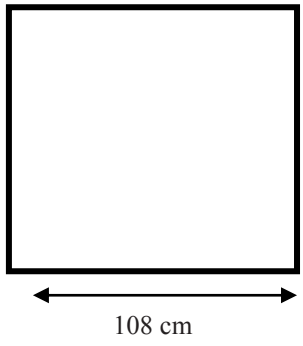
(i)	(ii)

3. (i) Find the perimeter of this square if each side is 132 cm in length.
   (ii) Find the area of this square.



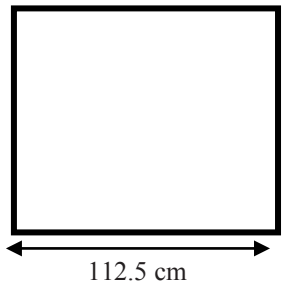
(i)	(ii)

4. (i) Find the perimeter of this square if each side is 108 cm in length.
   (ii) Find the area of this square.



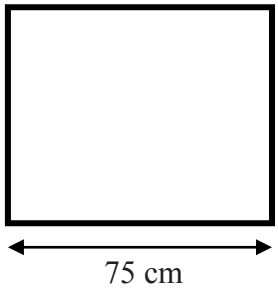
(i)	(ii)

5. (i)Find the perimeter of this square if each side is 112.5 cm in length.
   (ii) Find the area of this square.



(i)	(ii)

6. (i)Find the perimeter of this square if each side is 75 cm in length.
   (ii) Find the area of this square.

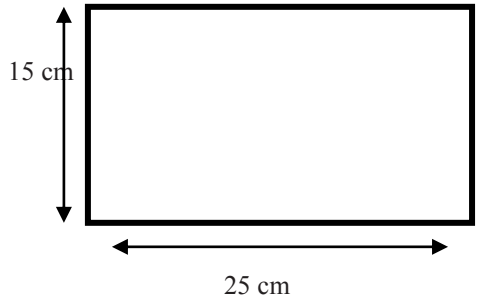


(i)	(ii)

Chapter 2

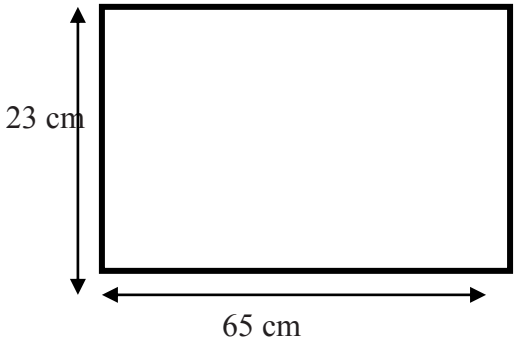
Perimeter and Area of Rectangles

1. (i) Find the perimeter of this rectangle.
   (ii) Find the area of this rectangle.



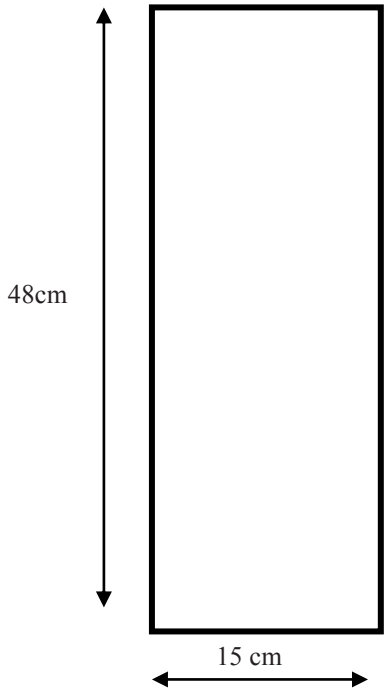
(i)	(ii)

2. (i)Find the perimeter of this rectangle.
   (ii) Find the area of this rectangle.



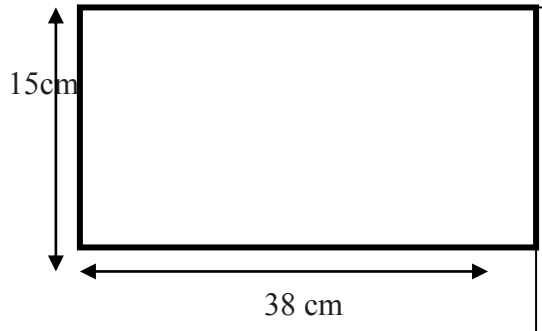
(i)	(ii)

3. Find the perimeter of this rectangle.
   Find the area of this rectangle.



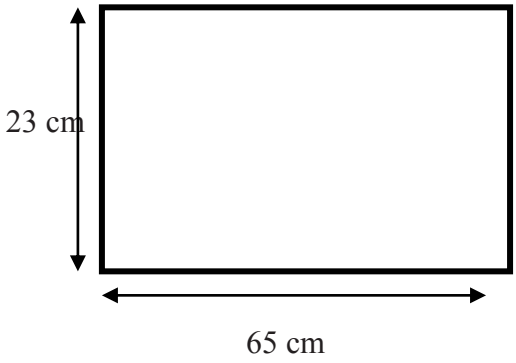
(i)	(ii)

4. (i) Find the perimeter of this rectangle.
   (ii) Find the area of this rectangle.



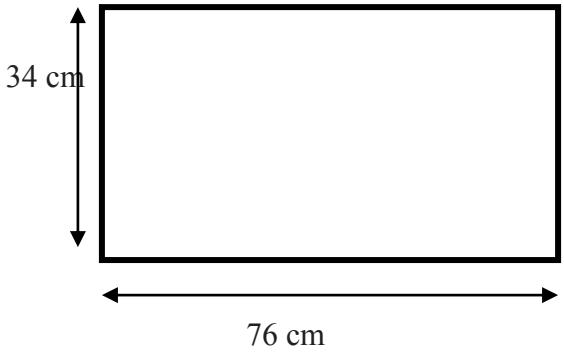
(i)	(ii)

4. (i)Find the perimeter of this rectangle.
(ii)Find the area of this rectangle.



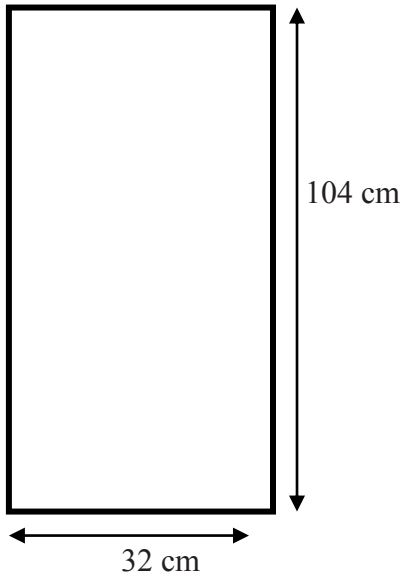
(i)	(ii)

5 (i) Find the perimeter of this rectangle.
(ii) Find the area of this rectangle.



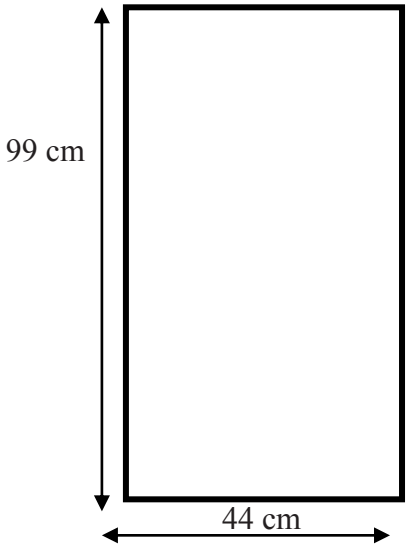
(i)	(ii)

6. (i) Find the perimeter of this rectangle.
   (ii) Find the area of this rectangle.



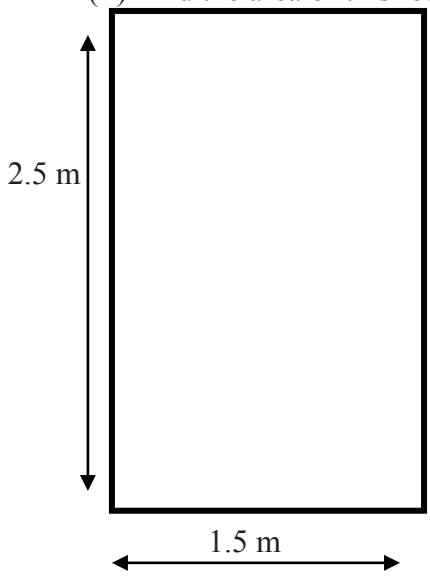
(i)	(ii)

7. Find the perimeter of this rectangle.
   Find the area of this rectangle.



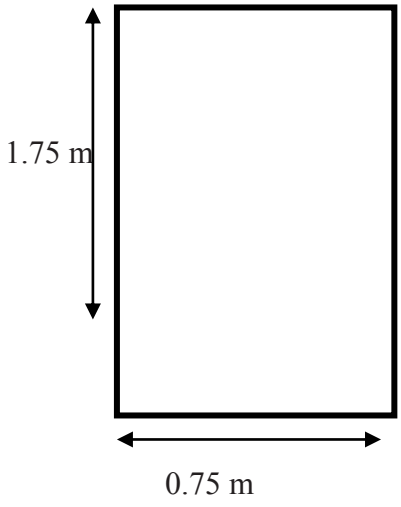
(i)	(ii)

8. (i) Find the perimeter of this rectangle.
(ii) Find the area of this rectangle.



(i)	(ii)

9. (i) Find the perimeter of this rectangle.
(ii) Find the a rea of this rectangle.

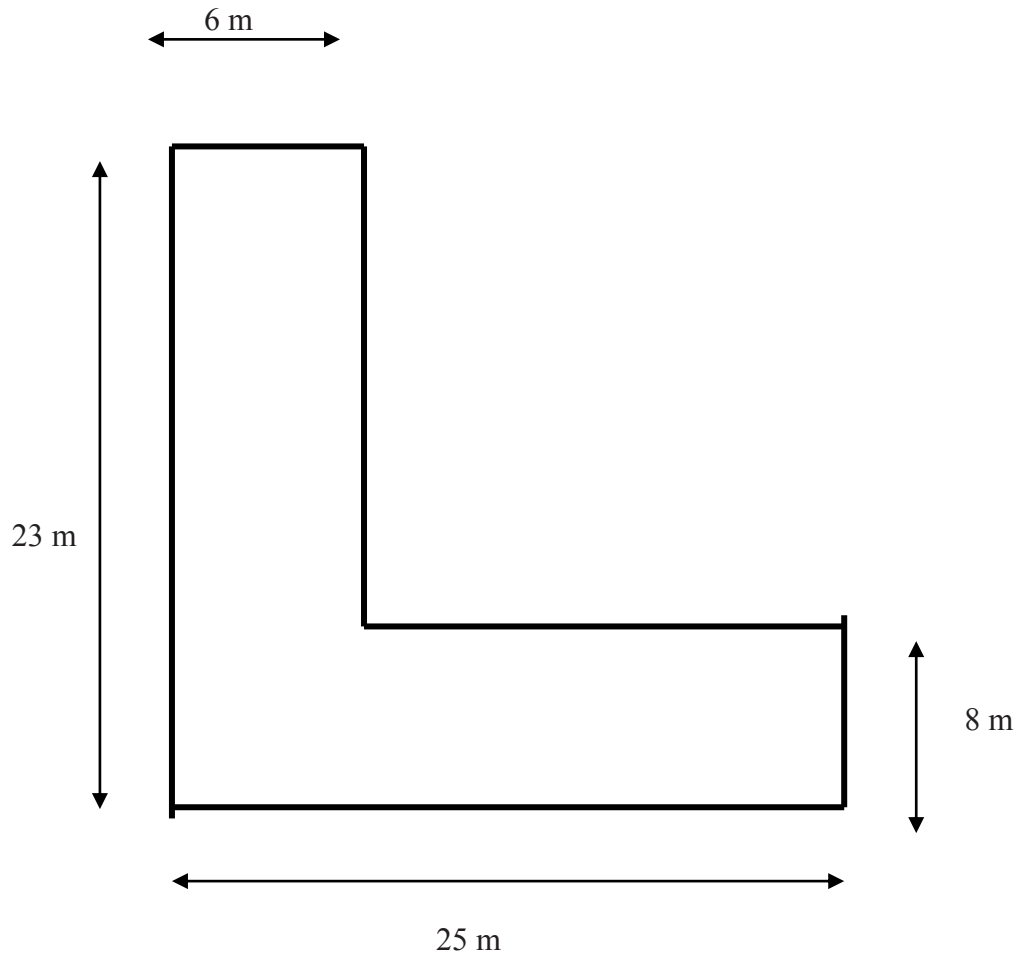


(i)	(ii)

Chapter 3

Perimeter and Area of L Shapes

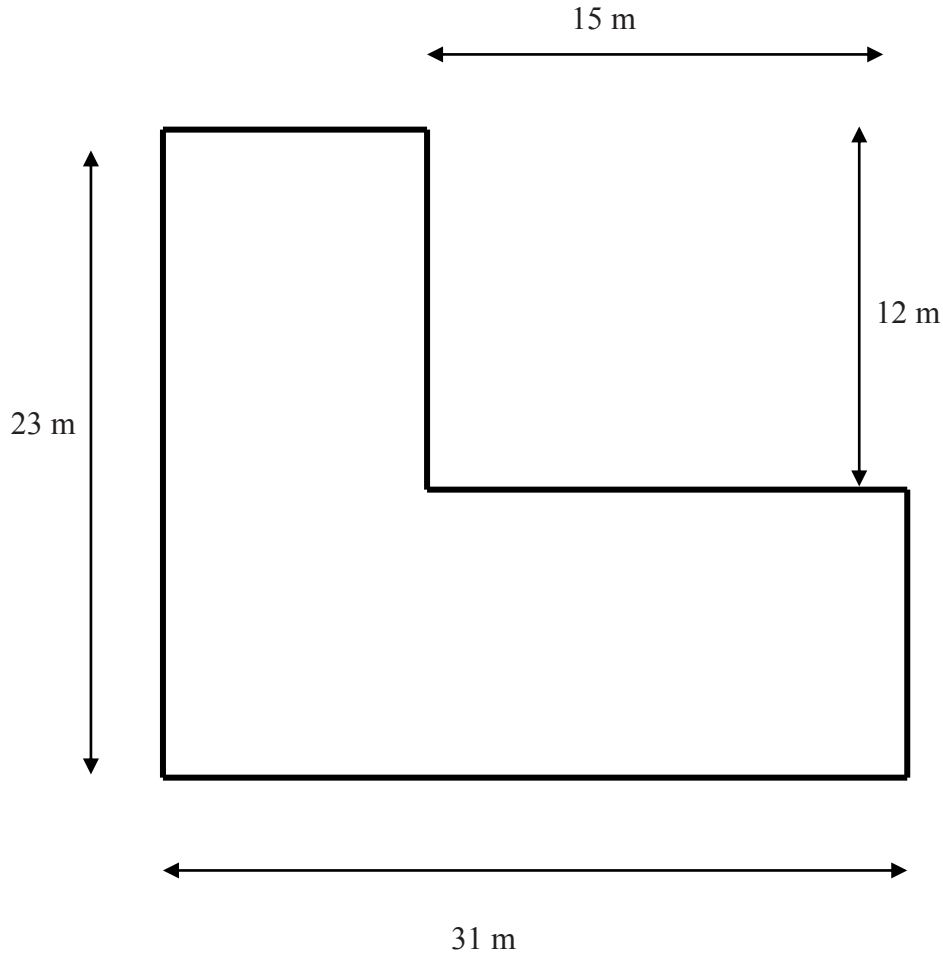
1. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building



(i)

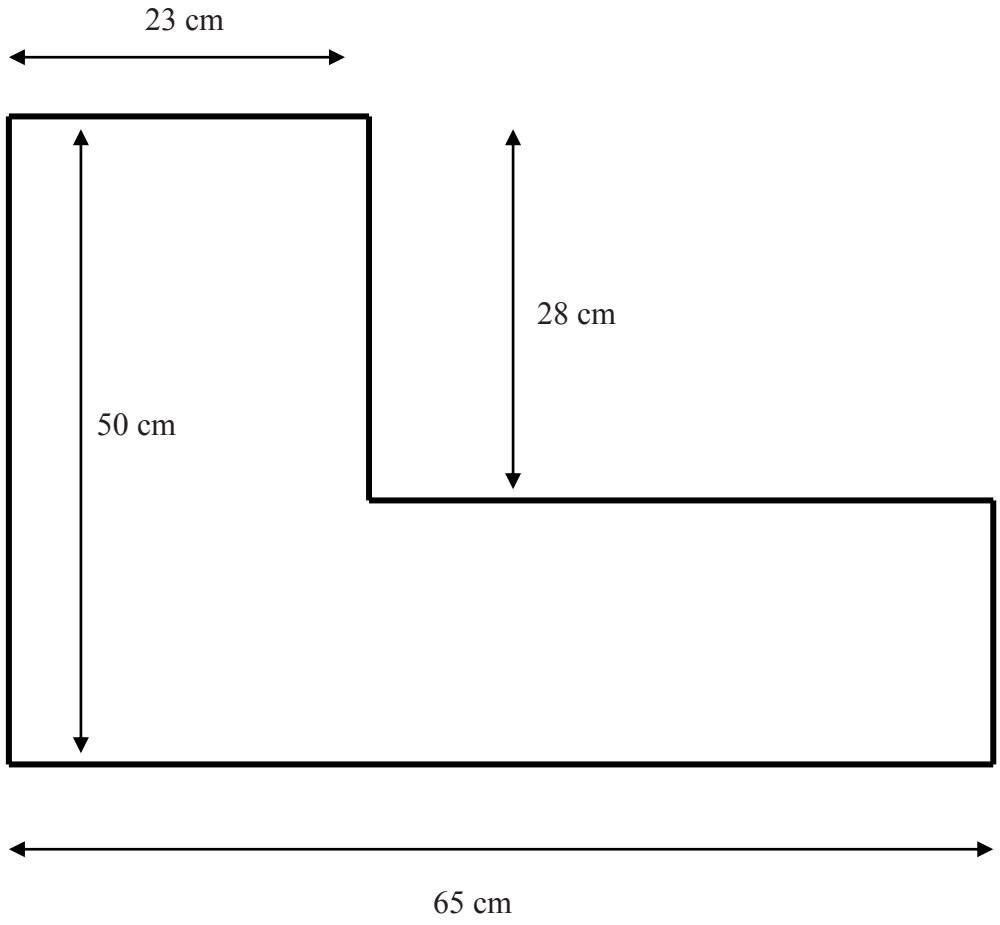
(ii)

2. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building.



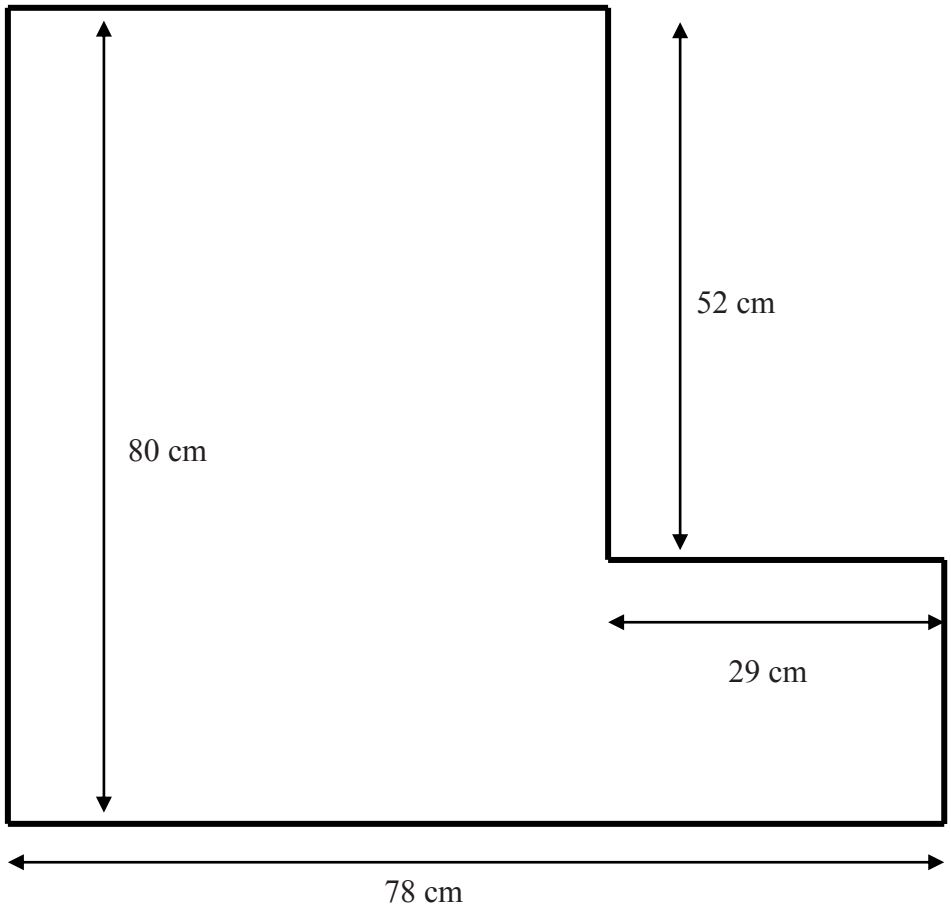
(i)	(ii)

3. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building.



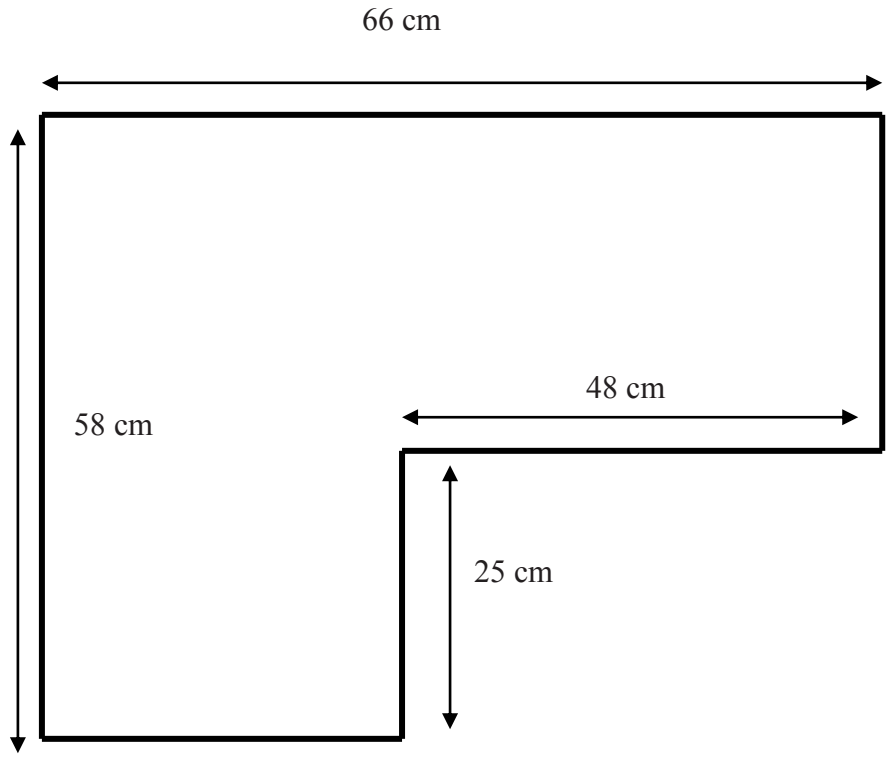
(i)	(ii)

4. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building.



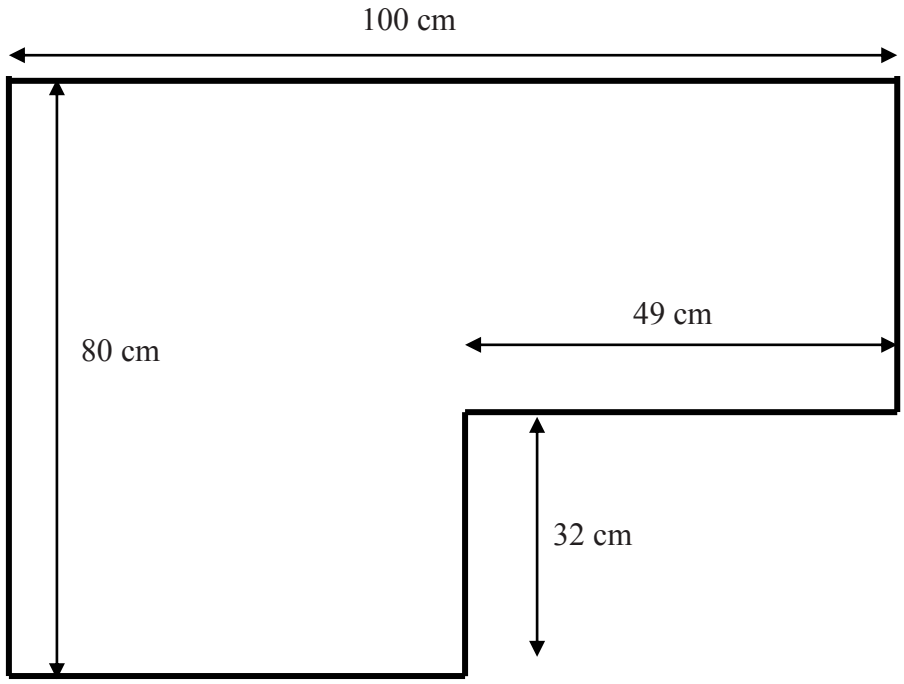
(i)	(ii)

5. (i) Find the perimeter of this L shaped building.
(ii) Find the area of this building.



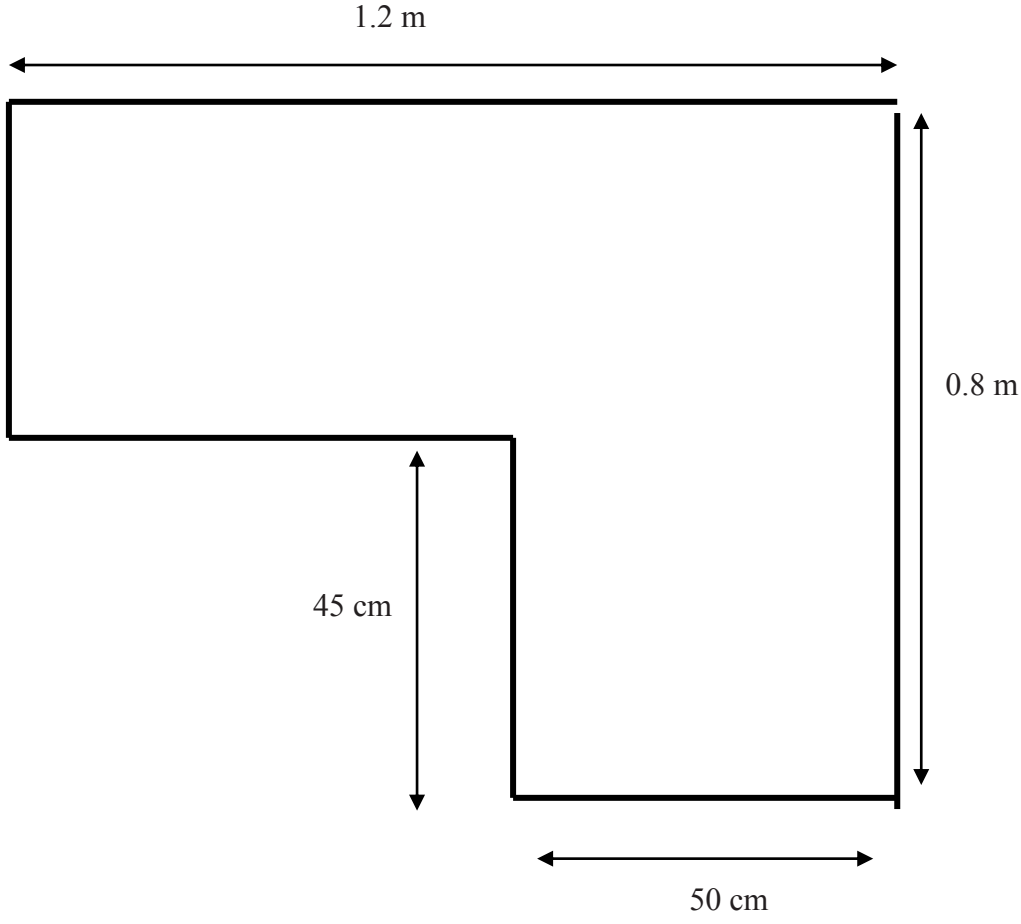
(i)	(ii)

6. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building.



(i)	(ii)

7. (i) Find the perimeter of this L shaped building.
   (ii) Find the area of this building.

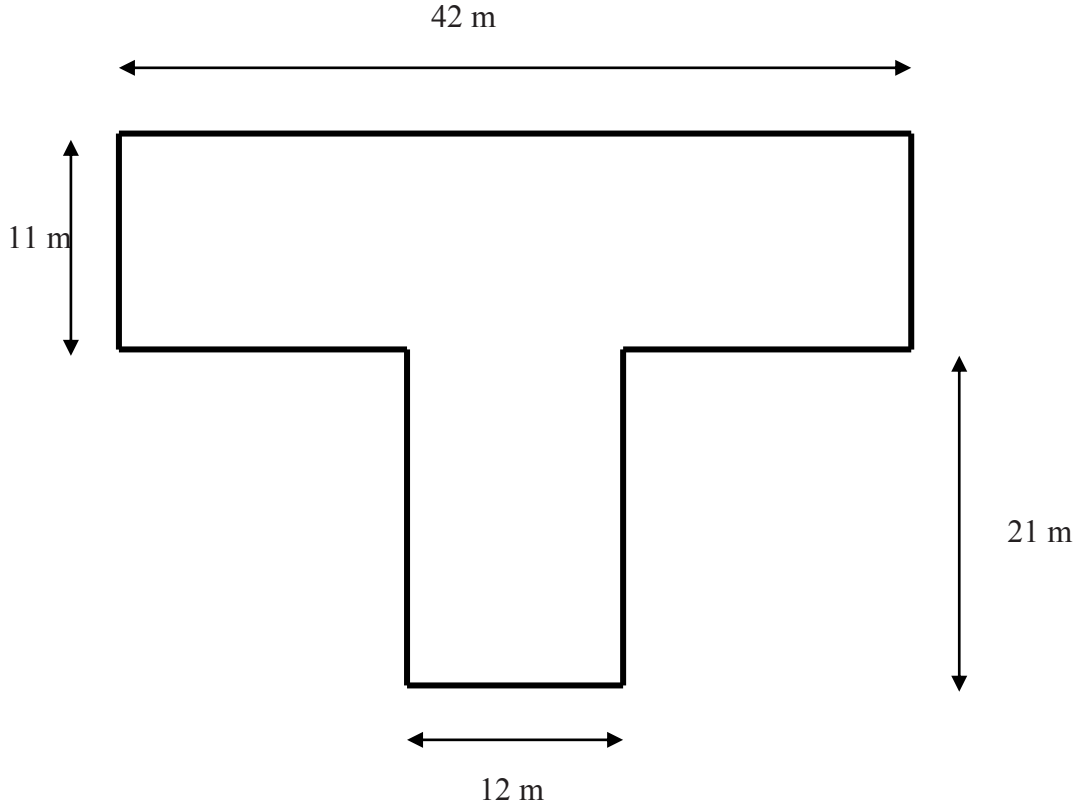


(i)	(ii)

Chapter 4

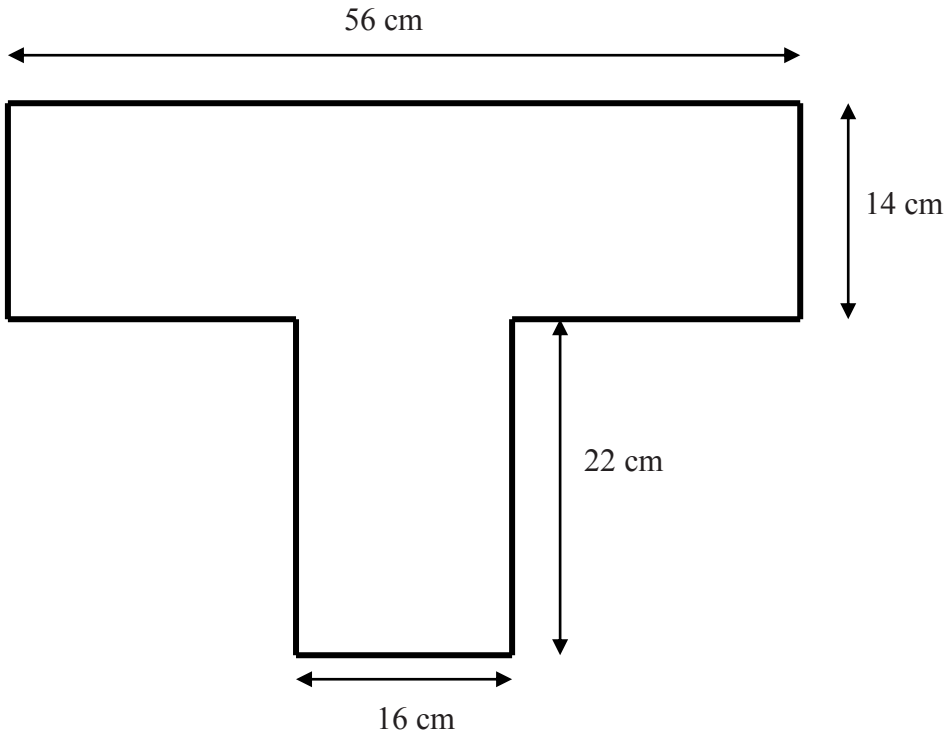
Perimeter and Area of T Shapes

1. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



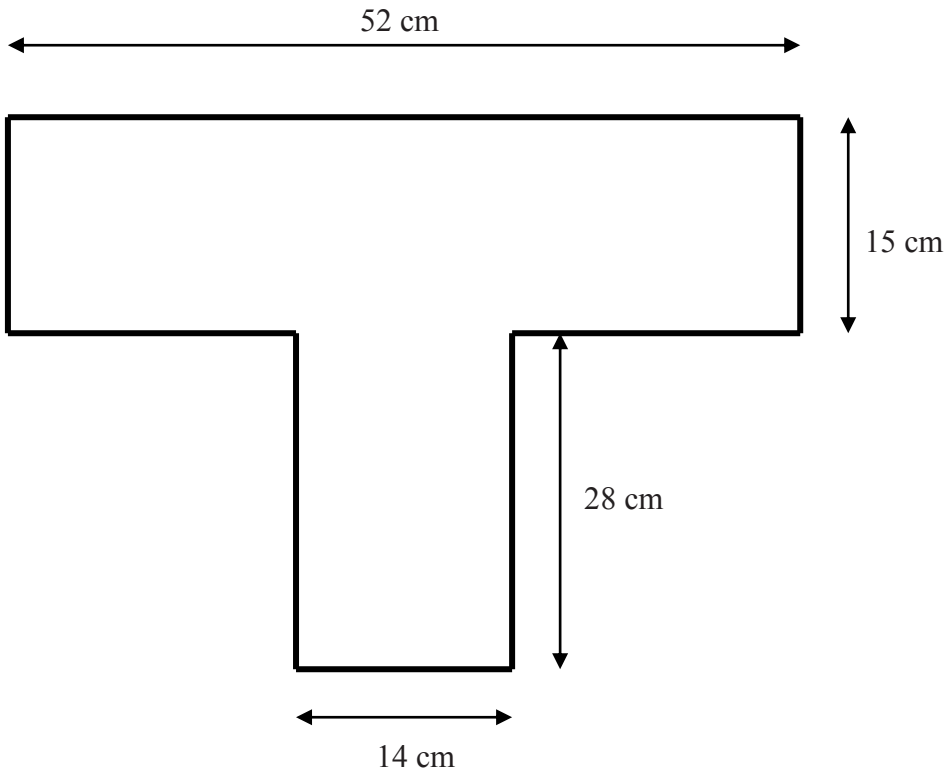
(i)	(ii)

2. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



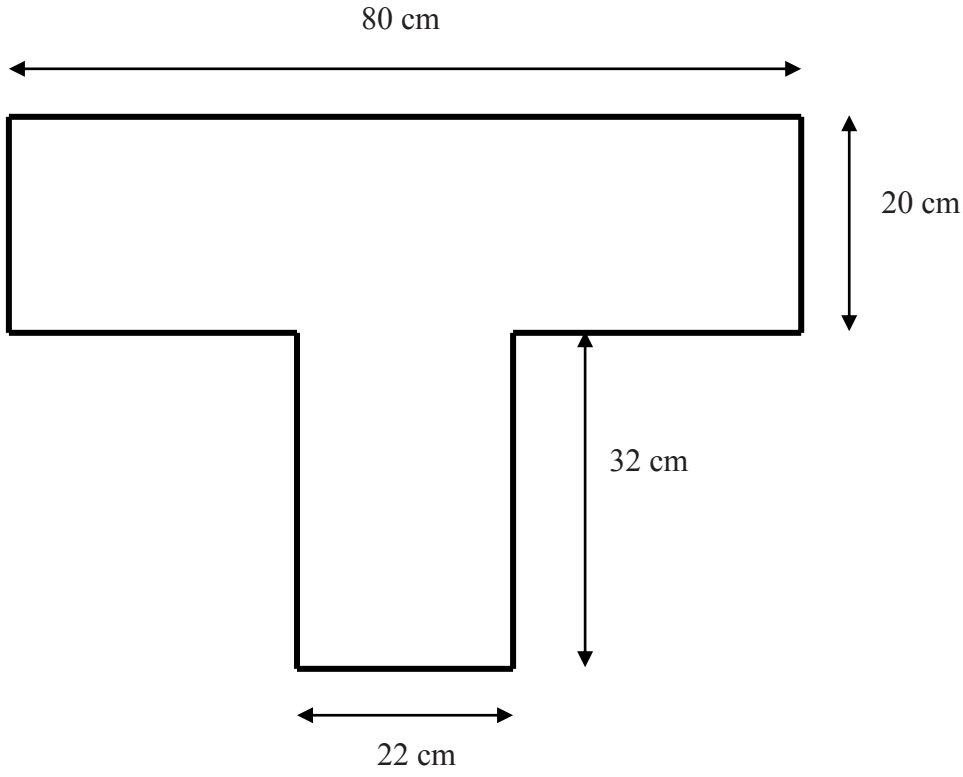
(i)	(ii)

3. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



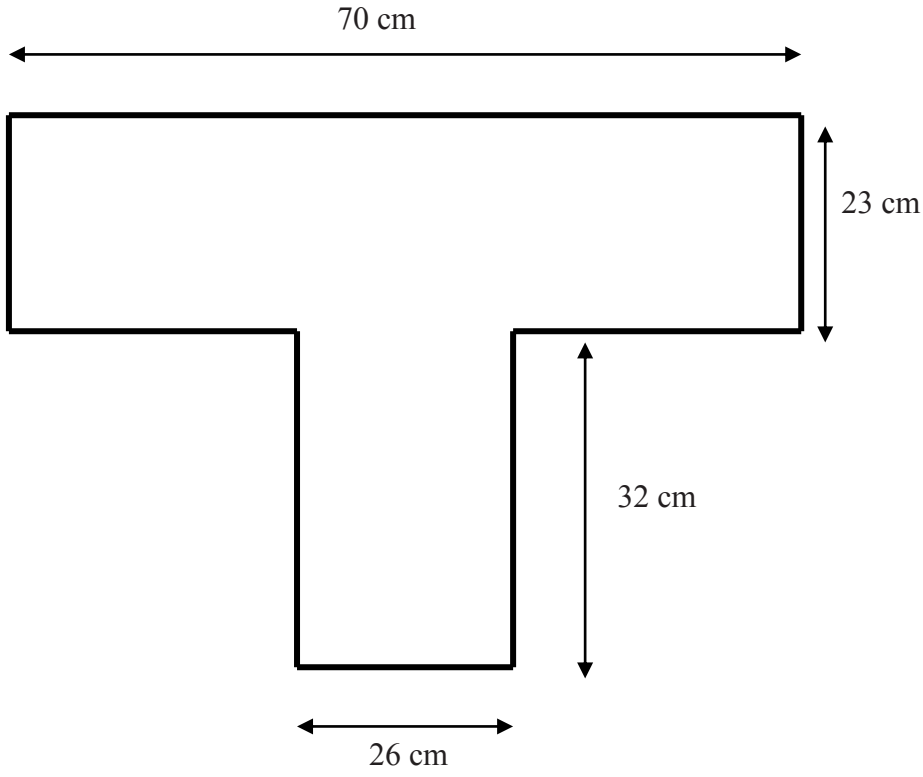
(i)	(ii)

4. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



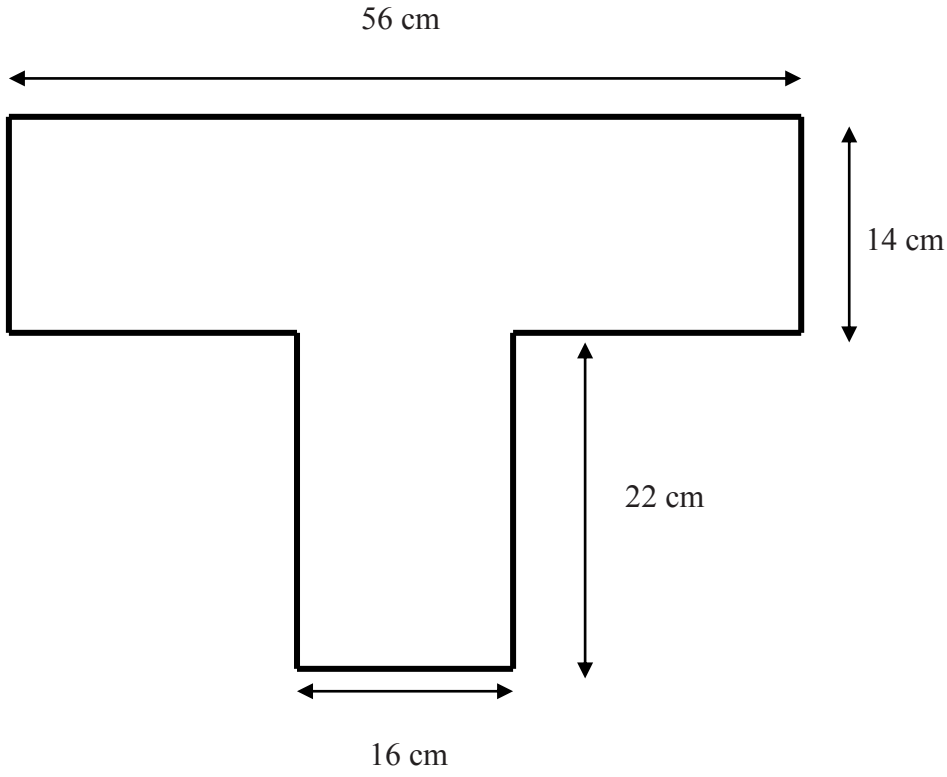
(i)	(ii)

5. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



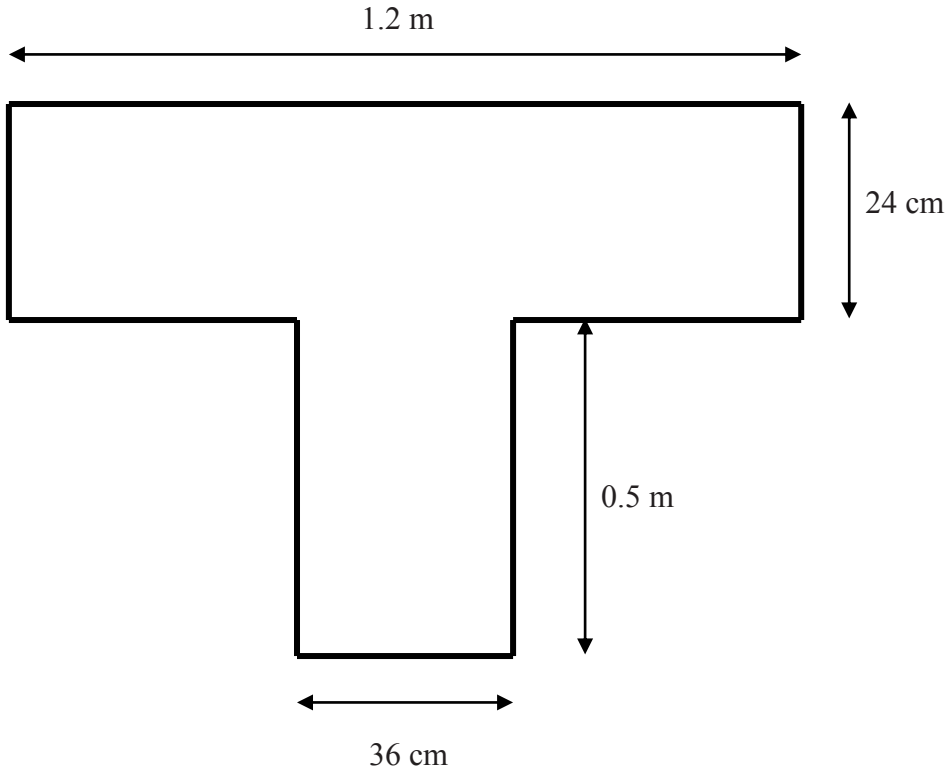
(i)	(ii)

6. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.



(i)	(ii)

7. (i) Find the perimeter of this T shaped building.
   (ii) Find the area of this building.

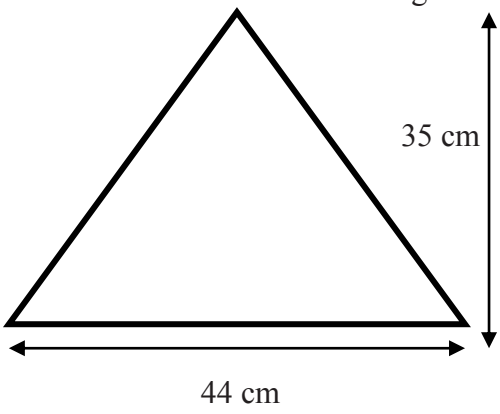


(i)	(ii)

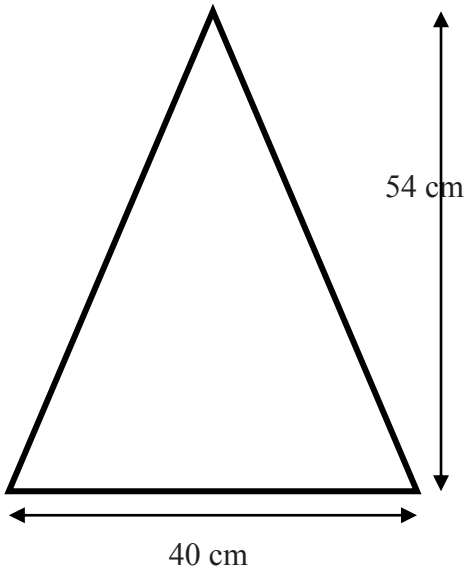
Chapter 5

Area of Triangles

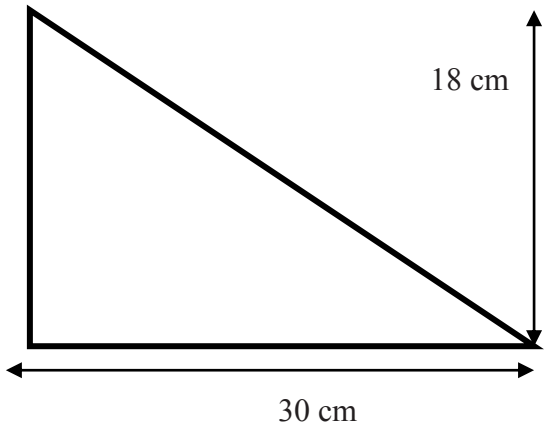
1. Find the area of this triangle.



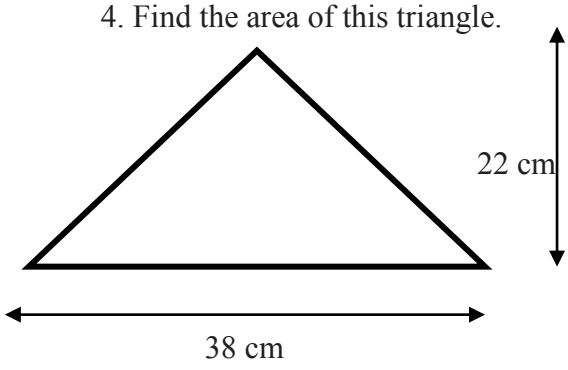
2. Find the area of this triangle.



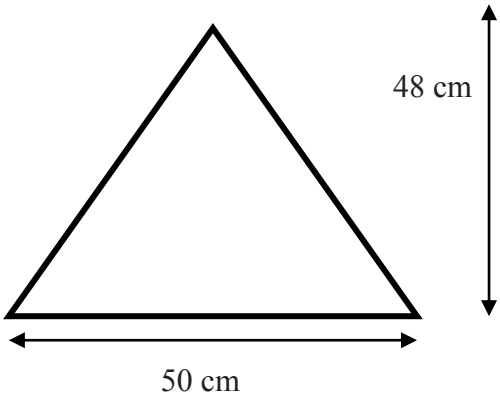
3. Find the area of this triangle.



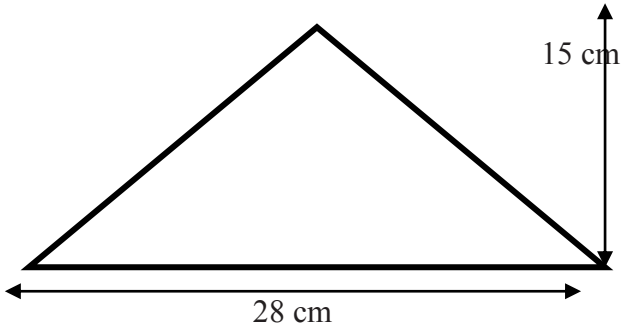
4. Find the area of this triangle.



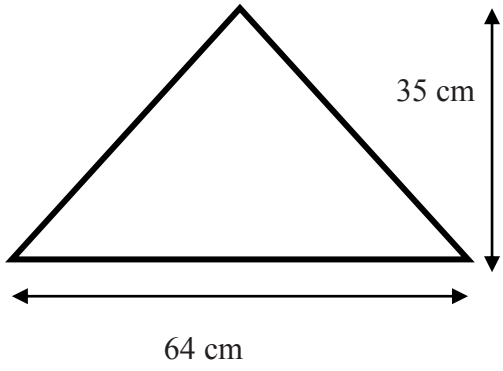
5. Find the area of this triangle.



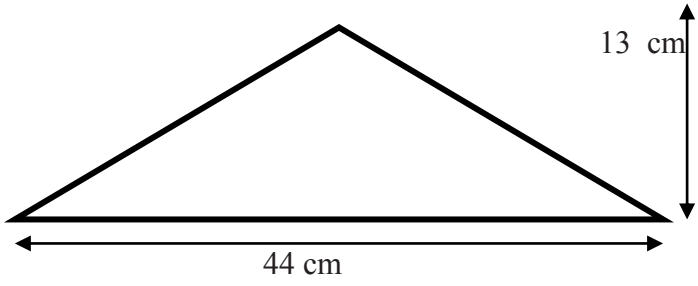
6. Find the area of this triangle.



7. Find the area of this triangle.



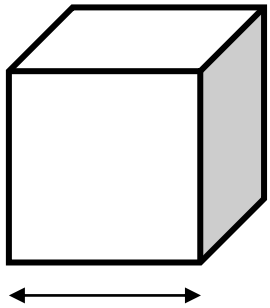
8. Find the area of this triangle.



Chapter 6

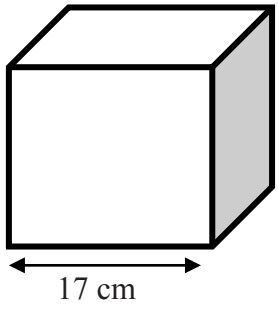
Volume and Surface Area of Cubes

1. (i)Find the volume of this cube.
   (ii) Find the total surface area of the cube.



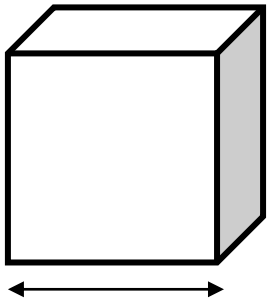
(i)	(ii)

2. (i) Find the volume of the following cube.
(ii) Find the total surface area of the cube.



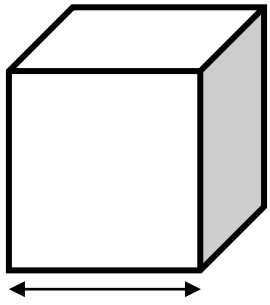
(i)	(ii)

3. (i) Find the volume of the following cube.
   (ii) Find the total surface area of the cube.



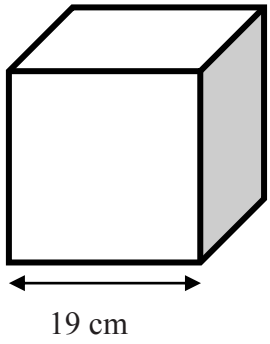
(i)	(ii)

4. (i) Find the volume of the following cube.
   (ii) Find the total surface area of the cube.



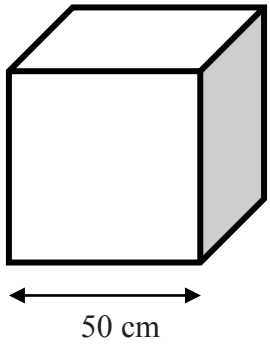
(i)	(ii)

5. (i) Find the volume of the following cube.
   (ii) Find the total surface area of the cube.



(i)	(ii)

6. (i) Find the volume of the following cube.
   (ii) Find the total surface area of the cube.

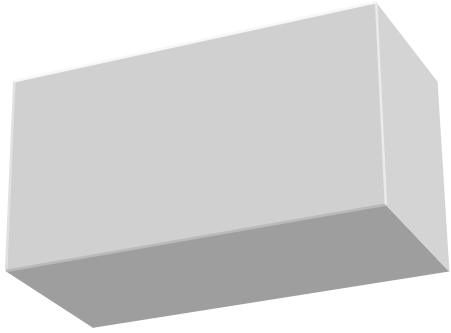


(i)	(ii)

Chapter 7

Volume and Surface Area of Rectangular Blocks

1. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



Length: 20 cm

Width: 9cm

Height: 12 cm

(i)	(ii)

2. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.

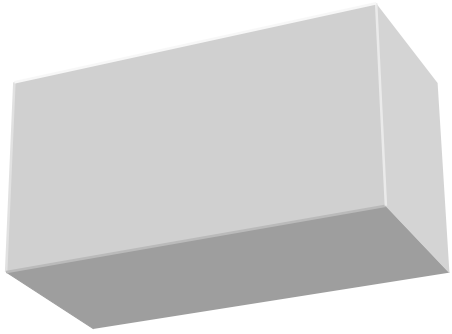
Length: 23 cm

Width: 11 cm

Height: 15 cm

(i)	(ii)

3. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



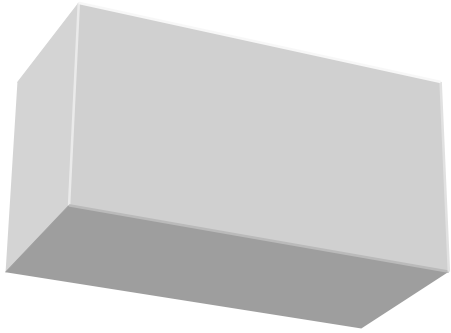
Length: 25 cm

Width: 10 cm

Height: 15 cm

(i)	(ii)

4. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



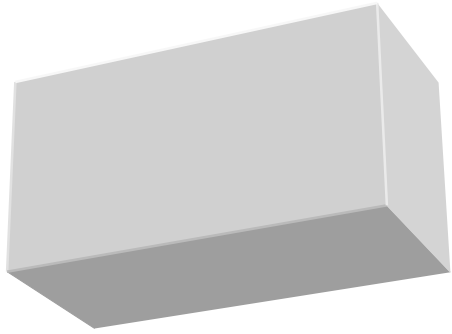
Length: 18 cm

Width: 9 cm

Height: 11 cm

(i)	(ii)

5. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



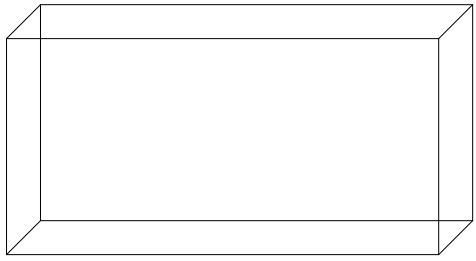
Length: 22 cm

Width: 8 cm

Height: 13 cm

(i)	(ii)

6. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



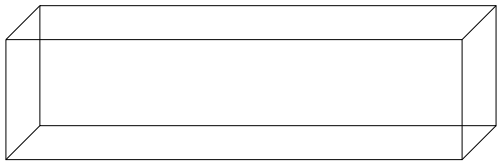
Length: 44 cm

Width: 18 cm

Height: 30 cm

(i)	(ii)

7. (i) Find the volume of the following rectangular block.
   (ii) Find the total surface area of this rectangular block.



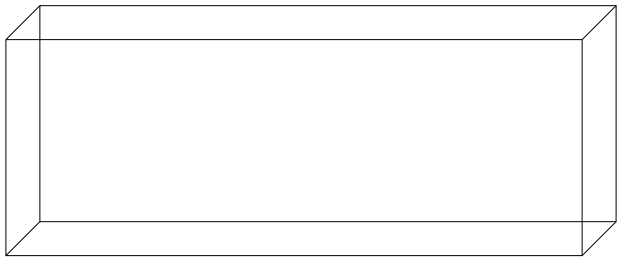
Length: 23 cm

Width: 9 cm

Height: 11 cm

(i)	(ii)

8. (i) Find the volume of the following rectangular block.
(ii) Find the total surface area of this rectangular block.



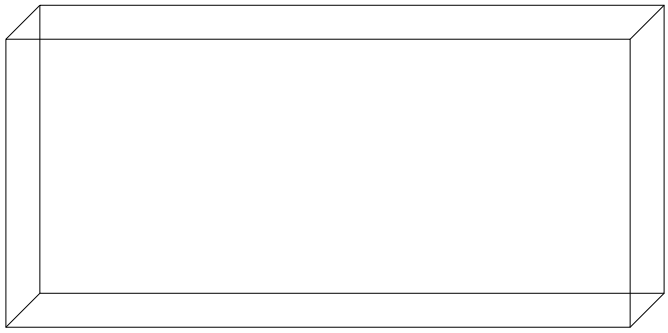
Length: 36 cm

Width: 11 cm

Height: 21 cm

(i)	(ii)

9. (i) Find the volume of the following rectangular block.
(ii) Find the total surface area of this rectangular block.



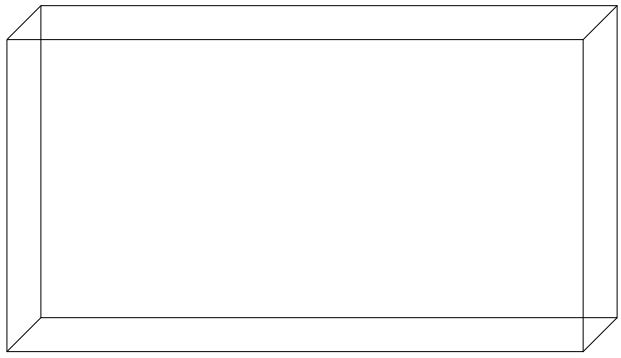
Length: 33 cm

Width: 9 cm

Height: 21 cm

(i)	(ii)

10. (i) Find the volume of the following rectangular block.
(ii)Find the total surface area of this rectangular block.



Length: 42 cm

Width: 7 cm

Height: 28 cm

(i)	(ii)

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Junior Certificate School Programme