6

Mensuration

6th Standard

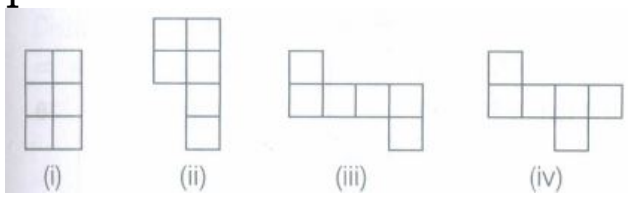
Mathematics

Exam Time : 00:01:00 Hrs

Total Marks : 1

50 x 1 = 50

1) Following figures are formed by joining six unit squares. Which figure has the smallest perimeter?



(a) (ii) (b) (iii) (c) (iv) (d) (i)

2) A square shaped park ABCD of side 100 m has two equal rectangular flower beds each of size 10m × 5 m (see the figure). Length of the boundary of the remaining park is

(a) 360m (b) 400 m (c) 340 m (d) 460 m

3) The perimeter of a triangle whose sides are 1.2cm, 3.4 cm and 1.7 cm, is

(a) 6.3 cm (b) 6.2 m (c) 6.5 cm (d) 6.4 cm

4) The perimeter of a rectangle, whose sides are 1m 30 cm and 70 cm, is

(a) 20 m (b) 4 m (c) 0.2 m (d) 2 m 30 cm

5) The side of a square is 10 cm. How many times will the new perimeter become, if the side of the square is doubled?

(a) 2 times (b) 4 times (c) 6 times (d) 8 times

6) The perimeter of a square, whose each side is 1m 30cm 10 mm, is

(a) 5.4 m (b) 5.14 m (c) 5.24 m (d) 5.04 m

7) The perimeter of an equilateral triangle of side 5 cm each is

(a) $\frac{\sqrt{3}}{4} \times 15cm$ (b) $\frac{\sqrt{3}}{4} \times 10cm$ (c) 10 cm (d) 15 cm

8) Cost of fencing a rectangular park of length 200 m and width 150 m at the rate of Rs.25 per metre is

(a) Rs.17500 (b) Rs.1750 (c) Rs.1705 (d) Rs.10750

9) Length and breadth of a rectangular sheet of paper are 20 cm and 10 cm, respectively. A rectangular piece is cut from the sheet as shown in figure. Which of the following statements is correct for the remaining sheet?

(a) Perimeter remains same but area changes

(b) Area remains same, but perimeter Changes

(c) Both area and perimeter are changing

(d) Both area and perimeter remain the same

10) The top of a table is 1 m 20 cm wide and 1 m 50 cm long. The perimeter of this top is

(a) 5.30 m (b) 5.40 m (c) 5.50 m (d) 5.60 m

11) Perimeter of a rectangle =

(a) Length x Breadth (b) Length + Breadth (c) 2 x (Length + Breadth)

(d) 2 x (Length x Breadth)

12) Perimeter of a square=

(a) 4 x Length of a side (b) 2 x Length of a side (c) 3 x Length of a side

(d) 6 x Length of a side

13) Perimeter of an equilateral triangle =

(a) 2 x Length of a side (b) 3 x Length of a side (c) 4 x Length of a side

(d) 6 x Length of a side.

14) Area of a rectangle =

(a) Length x Breadth (b) Length + Breadth (c) 2 x (Length + Breadth)

(d) 2 x (Length x Breadth).

15) Area of a square =

(a) side x side (b) 4x Length of a side (c) 2 x Length of a side

(d) 6 x Length of a side.

16) Perimeter of a regular pentagon =

(a) 4 x Length of a side (b) 3 x Length of a side (c) 6 x Length of a side

(d) 5 x Length of a side.

17) Perimeter of a regular hexagon =

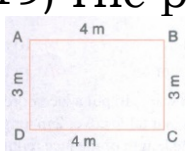
(a) 3 x Length of a side (b) 4 x Length of a side (c) 5 x Length of a side

(d) 6 x Length of a side.

18) Apala went to a park 20 m long and 10 m wide. She took one complete round of it. The distance covered by her is

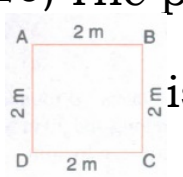
(a) 30 m (b) 60 m (c) 20 m (d) 10 m

19) The perimeter of the figure



(a) 12 m (b) 14 (c) 24 m (d) 7 m

20) The perimeter of the figure



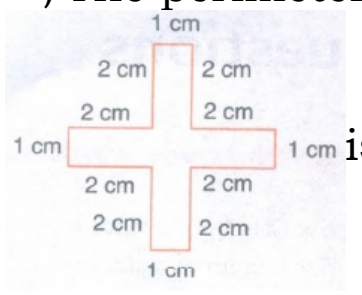
is

(a) 8 m (b) 16 m (c) 4 m (d) none of these.

21) A page is 25 em long and 20 em wide. Find the perimeter of this page.

(a) 90cm (b) 45 cm (c) 500 cm (d) 5 cm

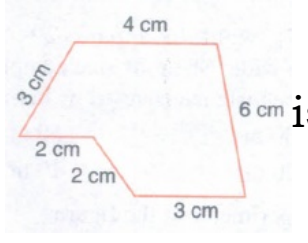
22) The perimeter of the figure



is

(a) 5 cm (b) 10 cm (c) 15 cm (d) 20 cm

23) The perimeter of the figure



is

(a) 20 cm (b) 10 cm (c) 24 cm (d) 15 cm

24) Meenu wants to put a lace border all around a rectangular table cover 2 m long and 1m wide. Find the length of the lace required by Meenu.

(a) 3 m (b) 4 m (c) 5 m (d) 6 m

25) Find the perimeter of a rectangle whose length and breadth are 9 em and 1 em respectively.

(a) 10 cm (b) 20 cm (c) 30 cm (d) 40 cm

26) An athlete takes 10 rounds of a rectangular park, 40 m long and 30 m wide. Find the total distance covered by him.

(a) 1400 m (b) 700 m (c) 70 m (d) 2800 m

27) Find the cost of fencing a rectangular park of length 10 m and breadth 5 m at the rate of Rs. 10 per metre.

(a) Rs.300 (b) Rs.600 (c) Rs.150 (d) Rs.1200

28) The perimeter of a square of side 1 m is

(a) 1 cm (b) 2 cm (c) 3 cm (d) 4 m

29) The perimeter of an equilateral triangle of side 1 m is

(a) 1 m (b) 2 m (c) 3 m (d) 6 m

30) The perimeter of a regular pentagon of side 1m is

(a) 5 m (b) 10 m (c) 15 m (d) 20 m

31) The perimeter of a regular hexagon of side 1m is

(a) 3 m (b) 2 m (c) 4 m (d) 6 m

32) Find the distance travelled by Sangeeta if she takes 5 rounds of a square park of side 10 m.

(a) 200 m (b) 100 m (c) 400 m (d) 800 m

33) The perimeter of an equilateral triangle is 9 m. Find the length of the side.

(a) 1 m (b) 2 m (c) 3 m (d) 9 m

34) The perimeter of a square is 8 m. Find the length of the side.

(a) 1 m (b) 2 m (c) 4 m (d) 8 m

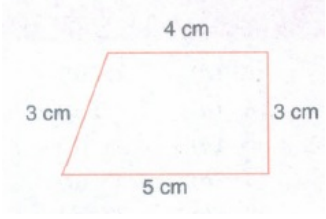
35) The perimeter of a regular pentagon is 10m. Find the length of the side.

(a) 1 m (b) 2 m (c) 5 m (d) 10 m

36) The perimeter of a regular hexagon is 12 m. Find the length of the side.

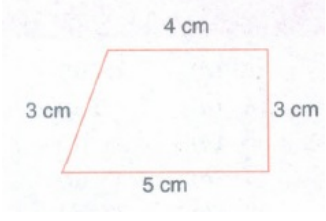
(a) 2 m (b) 3 m (c) 4 m (d) 6 m

37) The perimeter of the figure



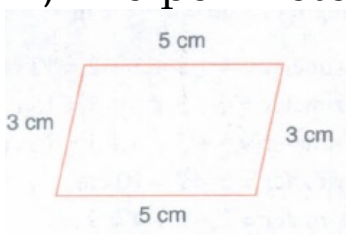
(a) 12 cm (b) 7 cm (c) 6 cm (d) 24 cm

38) The perimeter of the figure



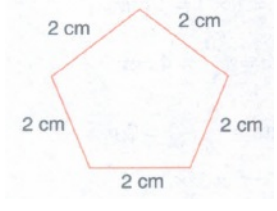
(a) 15 cm (b) 30 cm (c) 7.5 cm (d) 20 cm

39) The perimeter of the figure



(a) 8 cm (b) 12 cm (c) 15 cm (d) 16 cm

40) The perimeter of the figure



(a) 10 cm (b) 20 cm (c) 15 cm (d) 50 cm

41) The perimeter of a 2 cm, 3 cm and 4 cm is

(a) 9 cm (b) 18 cm (c) 27 cm (d) 36 cm

42) Two sides of a triangle are 5 cm and 4 cm. The perimeter of the triangle is 12 cm. The third side has length

(a) 1 cm (b) 2 cm (c) 3 cm (d) 6 cm

43) A rectangular piece of land measures 0.5 km by 0.25 km. Each side is to be fenced with 4 rounds of wire. What is the length of the wire needed?

(a) 2 km (b) 3 km (c) 4 km (d) 6 km

44) The area of a rectangle of length 2 cm and breadth 1 cm is

(a) 1 cm^2 (b) 2 cm^2 (c) 4 cm^2 (d) 8 cm^2

45) The area of a square of side 1 cm is

(a) 1 cm^2 (b) 4 cm^2 (c) 9 cm^2 (d) 16 cm^2

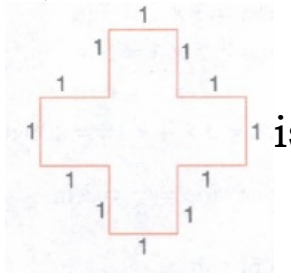
46) The area of a rectangular sheet of paper is 20 cm^2, Its length is 5 cm. Find its width.

(a) 1 cm (b) 2 cm (c) 3 cm (d) 4 cm

47) The perimeter of a rectangular piece of cardboard is 6 m. Its breadth is 1m. Find its length.

(a) 1 m (b) 2 m (c) 3 m (d) 6 m

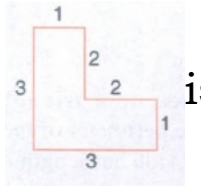
48) The area of the figure



is

(a) 1 sq. unit (b) 5 sq. unit (c) 4 sq. unit (d) 6 sq. unit

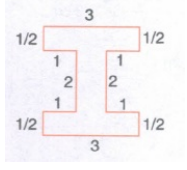
49) The area of the figure in (sq. unit)



is

(a) 1 (b) 5 (c) 4 (d) 6

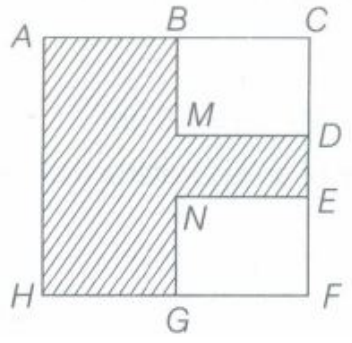
50) The area of the figure



(a) 5 sq. unit (b) 9 sq. unit (c) 7 sq. unit (d) 8. sq. unit

9 x 1 = 9

51) Perimeter of the shaded portion in figure is



AB ... + ...+ ... + ... + ... + ... +... + ... + HA

52) The amount of region enclosed by a plane closed figure is called its --------

53) Area of a rectangle with length 5 cm and breadth 3 cm is------

54) Diagonal of a square is ------ side

55) Standard unit of area is ------

56) The area of a play ground is 1190 m^2 If its length is 35 m, the width is----

57) The area of a rectangular park whose length is 30 m and width is 20 m, is------

58) The perimeter of a square whose area is 64 m^2 is -----

59) The number of square tiles, which can be fitted on a floor of dimension 40 m by 30 m and size of tile is 2 m $\times$ 2 m is -------

8 x 1 = 8

60) If the side of a square is doubled, then its area becomes four times.

(a) False (b) True

61) 1 hectare = 100 $\times$ 100 m^2.

(a) False (b) True

62) Perimeter of rectangle is (l + b).

(a) True (b) False

63) If length of a rectangle is halved and breadth is doubled, then the area of the rectangle obtained remains same.

(a) False (b) True

64) Area of a square is doubled if the side of the square is doubled

(a) True (b) False

65) Perimeter of a regular octagon of side 6 cm is 36 cm.

(a) True (b) False

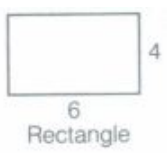
66) A farmer who wants to fence his field, must find the perimeter of the field.

(a) False (b) True

67) 1 sq m = 100 cm.

(a) True (b) False

4 x 1 = 4

68) 

(1) 10

69) 

(2) 16

70) 

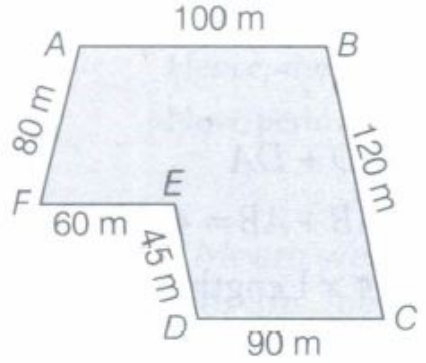
(3) 18

71) 

(4) 20

73 x 2 = 146

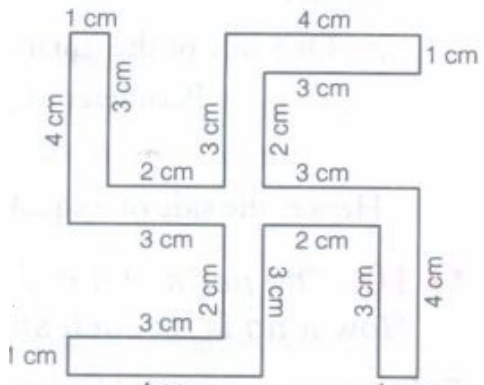
72) Find the perimeter of the given figure



73) Find the distance travelled by Soniya, if she takes three rounds of a squared park of side 60 m.

74) If one side of an equilateral triangle is 8 cm, then find its perimeter.

75) Find the perimeter of the following figures



76) Find the perimeter of the following figures

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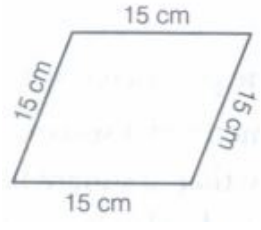

78) Find the perimeter of the following figures

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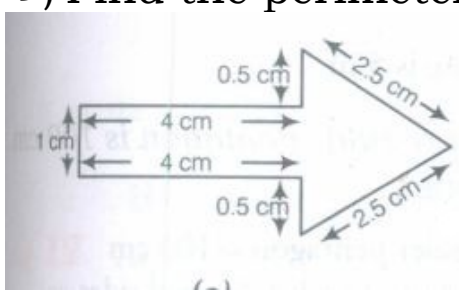


80) Find the perimeter of the following shapes.
An equilateral triangle of side 9 cm

81) Find the perimeter of the following shapes.
An isosceles triangle with equal sides 8 cm each and third side 6 cm

82) Find the perimeter of a rectangle, whose length is 40 cm and width is 30 cm.

83) How many equilateral triangles of a side 2 cm long can be formed with a wooden strip of length 60 cm?

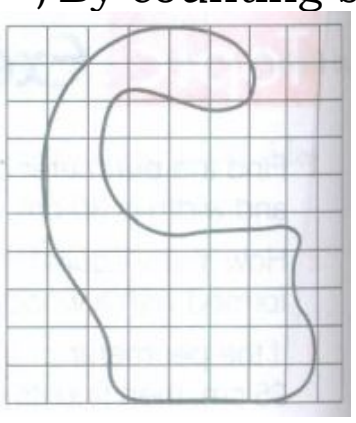
84) If the perimeter of a rectangle is 120 cm and the width is 25 cm, then find its length

85) A piece of wire is 12 cm long. What will be the length of each side, if the wire is used to form a regular hexagon?

86) A piece of wire is 12 cm long. What will be the length of each side, if the wire is used to form an equilateral triangle?

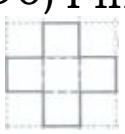
87) A piece of string, which is 30 cm long, is used to form a regular polygon with one side measuring 6 cm. Name the polygon.

88) By counting squares, estimate the area of the given figure

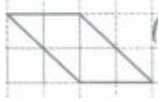


89) Find the areas of the following figures by counting square.

90) Find the areas of the following figures by counting square.



91) Find the areas of the following figures by counting square.



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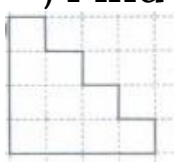

94) Find the areas of the following figures by counting square.

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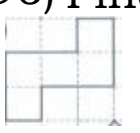

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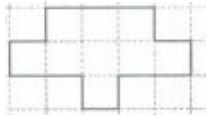

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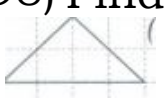

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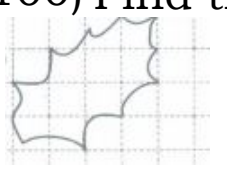

101) Find the areas of the following figures by counting square.

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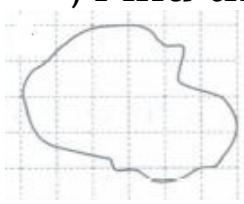
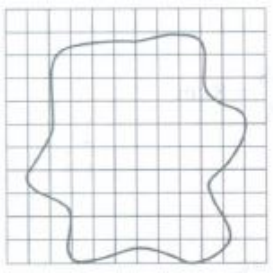
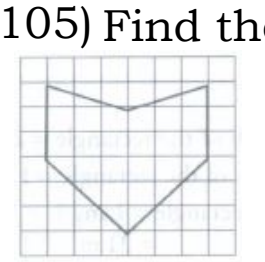


103) Find the area of the given figure

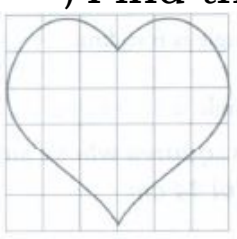


104) By counting squares estimate the area of the given figure

105) Find the area of the shape shown in figure.



106) Find the area of the following figures by counting squares.



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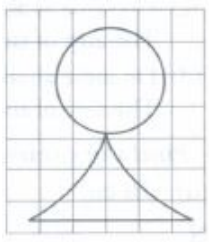

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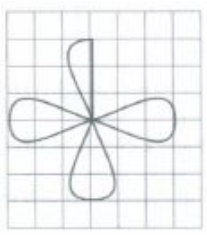

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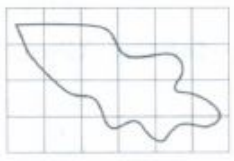

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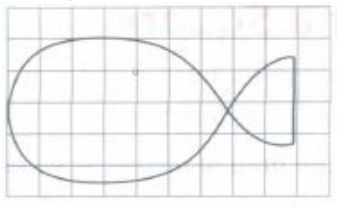

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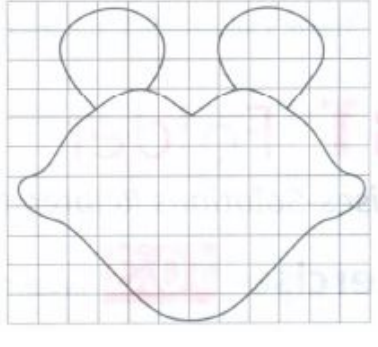

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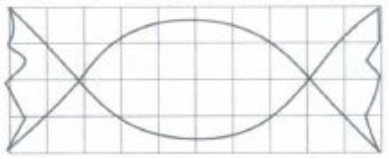


113) Find the area of a rectangle, whose length and breadth are 12 cm and 4 cm, respectively

114) The area of a rectangular piece of cardboard is 48 cm^2 and its breadth is 6 cm. What is the length of the cardboard?

115) Find the area of a square, whose side is 6 cm.

116) Find the areas of the rectangles whose sides are 2 km and 3 km

117) Find the areas of the rectangles whose sides are 2 m and 70 cm

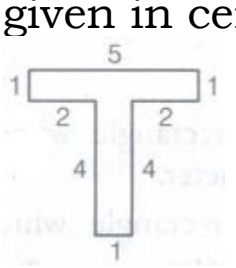
118) Find the areas of the squares whose sides are 10cm

119) Find the areas of the squares whose sides are 14cm

120) Find the areas of the squares whose sides are 5cm

121) Split the following shapes into rectangles and find their areas (The measures are given in centimetres)

122) Split the following shapes into rectangles and find their areas (The measures are given in centimetres)



123) If area of a rectangle is 600 m^2 and length is 30 m, then find its width.

124) What will happen to the area of a rectangle, if its length and width are doubled

125) The perimeter of a squared field is 40 m. Find its area.

126) The area of a rectangular carpet 20 m long is 180 sq m. Find the width of the carpet.

127) Find the perimeter of a triangle, whose three sides are 5 cm, 6 cm and 7 cm, respectively.

128) Find the perimeter of an equilateral triangle, whose each side is 5 cm.

129) Find the area of a rectangle, whose length and width are 10 cm and 6 cm, respectively?

130) Find the side of an equilateral triangle, if its perimeter is 30 cm.

131) If the area of a square is 36 cm^2, then find its perimeter.

132) Perimeter of an isosceles triangle is 50 cm. If one of the two equal sides is 18 cm, find the third side.

133) Length of a rectangle is three times its breadth. Perimeter of the rectangle is 40 cm. Find its length and width.

134) The perimeter of a regular pentagon is 1240 cm. How long is its each side?

135) Find the perimeter of a rectangle whose length and width are 15 cm and 10 cm respectively

136) Find the perimeter of a square whose side is 20 cm.

137) Calculate the area of a square whose side is 13 cm long.

138) What is the area of a rectangle whose length and width are 20 cm and 10 cm, respectively?

139) Find the area and perimeter of a square whose each side IS 4 cm.

140) Find the area of a rectangle whose perimeter is 120 m and length is 40 m.

141) Find the perimeter of a rectangle whose area is 3400 cm^2 and breadth is 17 cm.

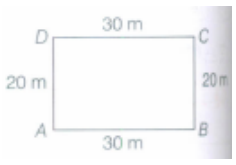
142) Give five examples of situations where you need to know the perimeter.

143) Perimeter of a regular hexagon will be _____

144) Perimeter of a regular octagon will be_____.

59 x 3 = 177

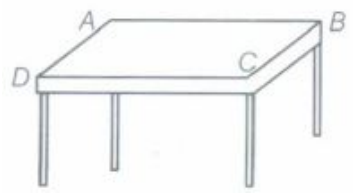
145) An athlete takes 10 rounds of a rectangular field. which is 30 m long and 20 m wide. Find the total distance covered by him.



146) The perimeter of a regular hexagon is 30 cm. How long is its one side?

147) Measure and write the length of the four sides of the top of your study table.

AB = __ cm
BC = __ cm
CD = __ cm
DA = __ cm



Now,the sum of the lengths of the four sides
= AB + BC + CD + DA
=__ cm+__ cm+__ cm+__ cm=__ cm
What is the perimeter?

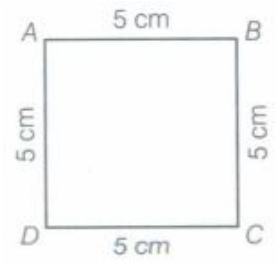
148) Measure and write the lengths of the four sides of a page of your notebook. The sum of the lengths of the four sides.
= AB + BC + CD + DA
=__cm+__cm+__cm+__cm=__cm
What is the perimeter of the page?

149) Meera went to a park 150 m long and 80 m wide. She took one complete round on its boundary. What is the distance covered by her?

150) Find the perimeter of the following figures.

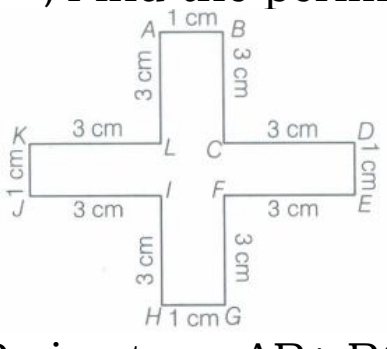
Perimeter = AB + BC + CD + DA
=__+__+__+__=__

151) Find the perimeter of the following figures.



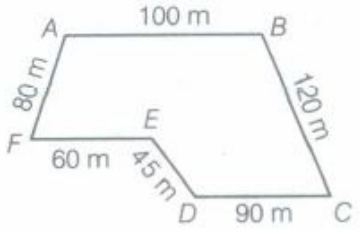
Perimeter = AB + BC + CD + DA
=__+__+__+__=__

152) Find the perimeter of the following figures.



Perimeter = AB+ BC +CD + DE + EF + FG +GH +HI + IJ + JK + KL + LA
=__+__+__+__+__+__+__+__+__+__+__+__=__

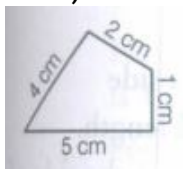
153) Find the perimeter of the following figures.



Perimeter = AB + BC + CD + DE + EF + FA

=__+__+__+__+__+__+__=__

154) Find the perimeter of the following figures.



155) The lid of a rectangular box of side 40 cm by 10 cm is sealed all round with tape. What is the length of tape required?

156) What is the length of the wooden strip required to frame a photograph of length and breadth 32 cm and 21 cm, respectively?

157) A rectangular piece of land measures 0.7 km by 0.5 km. Each side is to be fenced with 4 rows of wires. What is the length of the wire needed?

158) Find the perimeter of each of the following shapes.
A triangle of sides 3 cm, 4 cm and 5 cm

159) Find the perimeter of a triangle with sides measuring 10 cm, 14 cm and 15cm

160) Find the perimeter of a regular hexagon with each side measuring 8 m.

161) Find the side of the square, whose perimeter is 20 m

162) The perimeter of a regular pentagon is 100 cm. How long is its each side

163) A piece of string is 30 cm long. What will be the length of each side, if the string is used to form a square?

164) A piece of string is 30 cm long. What will be the length of each side, if the string is used to form an equilateral triangle?

165) A piece of string is 30 cm long. What will be the length of each side, if the string is used to form a regular hexagon?

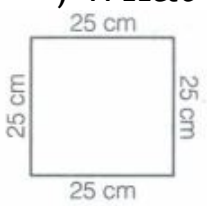
166) Two sides of a triangle are 12 cm and 14 cm. The perimeter of the triangle is 36 cm. What is its third side?

167) Find the cost of fencing a square park of side 250 m at the rate of Rs.20 per metre

168) Find the cost of fencing a rectangular park of length 175 m and breadth 125 m at the rate of Rs.12 per metre.

169) Sweety runs around a square park of side 75 m. Bulbul runs around a rectangular park with length 60 m and breadth 45 m. Who covers less distance?

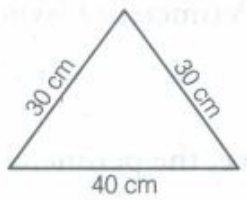
170) What is the perimeter of the following figures? What do you infer from the answers?



171) What is the perimeter of the following figures? What do you infer from the answers?

172) What is the perimeter of the following figures? What do you infer from the answers?

173) What is the perimeter of the following figures? What do you infer from the answers?

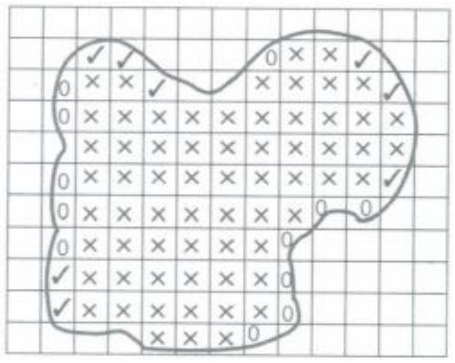


174) Find the cost of fencing a squared park having length of a side 150 m at the rate of Rs.10 per metre.

175) Find the side of the square whose perimeter is 32 m.

176) A rectangular park of length 300 m and breadth 150 m is to be fenced with two rows of wires. What is the length of the wire needed?

177) Find the area of the figures shown below. (consider area of each square = 1sq cm)



178) Draw any circle on a graph sheet. Count the squares and use them to estimate the area of the circular region.

179) Find the areas of the rectangles whose sides are 3 cm and 4 cm

180) Find the areas of the rectangles whose sides are 12 m and 21 m

181) The area of a rectangular garden 50 m long is 300sq m. Find the width of the garden.

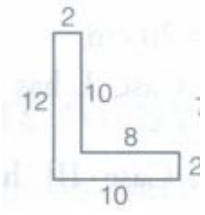
182) What is the cost of tiling a rectangular plot of land 500 m long and 200 m wide at the rate of Rs.8 per hundred sq m?

183) A table-top measures 2 m by 1m 50 cm. What is its area in square metres?

184) A room is 4 m long and 3 m 50 cm wide. How many square metres of carpet is needed to cover the floor of the room?

185) A floor is 5 m long and 4 m wide. A square carpet of sides 3 m is laid on the floor. Find the area of the floor that is not carpeted.

186) Split the following shapes into rectangles and find their areas (The measures are given in centimetres)



187) A floor is 6 m long and 5 m wide. How many tiles whose length and breadth are 10 cm and 6 cm respectively are needed to cover the floor?

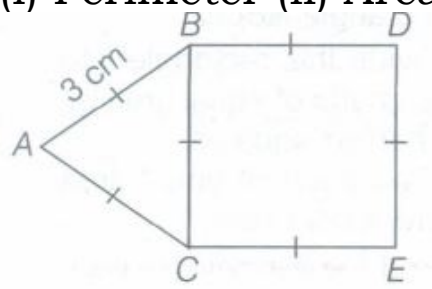
188) What is the cost of painting a wall 50 m long and 20 m wide at the rate of Rs.3 per sq m?

189) A room is 6 m long and 4 m wide. How many square metres of carpet is needed to cover the floor of the room?

190) Find the area of a rectangle whose perimeter is 50 cm and length is 15cm.

191) Tahir measured the distance around a squared field as 200 rods (Iathi). Later he found that the length of this rod was 140 cm. Find the side of this field in metres.

192) From the following figure, find its
(i) Perimeter (ii) Area of square



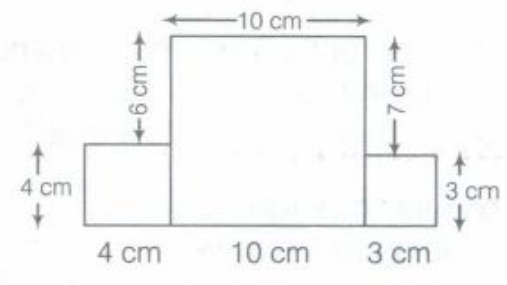
Given, ABC is an equilateral triangle of side 3cm each and BCED is a square

193) The length of a rectangular field is twice its breadth. Jamal jogged around it four times and covered a distance of 6 km. What is the length of the field?

194) A room is 9.5 m long and 7.4 m wide. A person wants that the floor of the room to be fitted with tiles of size 20 cm by 10 cm. Find the number of tiles needed.

195) Two plots of land having the same perimeter. One is a square with side 70 cm while other is rectangular of length 100 cm. Which plot has the greater area and by how much?

196) Three squares are joined together as shown in figure. Their sides are 4 cm, 10 cm and 3 cm. Find the perimeter of the figure.



197) The perimeter of rectangle and square are equal. If length of the rectangle is 8 m and breadth is 6 m. Find the area of square.

198) The floor of a room is square in shape. If the side of the floor is 5 m. Find the area of the floor.

199) A rectangular field is 60 m long and 40 m wide Find the cost of fencing at the rate of Rs. 10 per metre.

200) How many envelops can be made from a sheet of paper 125 cm by 75 cm? The size of one envelop is 25 cm by 5 cm.

201) A carpet measures 30.75 cm by 80 cm. Find its cost at the rate of Rs. 15 per square metre.

202) If the area of a rectangle is 150 m^2 and its width is 5 m, then find the perimeter of a rectangle.

203) The length and breadth of a rectangle are 3 cm and 2 cm, respectively. Find the area of a rectangle.

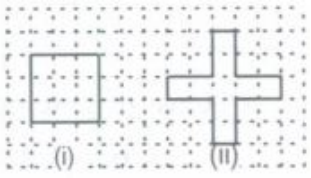
28 x 5 = 140

204) Find the perimeter of the following rectangles

S.No	Length of rectangle	Breadth of rectangle	Perimeter by adding all the sides	Perimeter by 2× (Length+Breadth)
(i)	25cm	12 cm	=25 cm + 12 cm + 25 cm+ 12 cm =74 cm	=2 × (25cm+ 12cm) = 2 × (37 cm) =74 cm
(ii)	0.5m	0.25 m		
(iii)	18cm	15 cm		
(iv)	10.5cm	8.5 cm		

205) A table-top measure 2 m 25 cm by 1 m 50 cm. What is the perimeter of the table-top?

206) Avneet buys 9 square paving slabs, each with a side of $\frac{1}{2}$ m. He lays them in the form of a square.

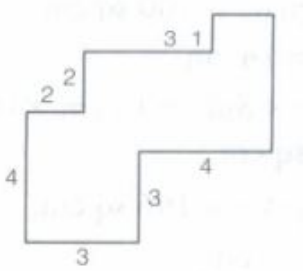


(a) What is the perimeter of his arrangement in the figure(i)?
(b) Shari does not like his arrangement. She gets him to lay them out like a cross. What is the perimeter of her arrangement in the figure (ii)?
(c) Which has greater perimeter?
(d) Avneet wonders, if there is a way of getting an even greater perimeter. Can you find a way of doing this? (The paving slabs must meet along complete edges i.e. they cannot be broken.)

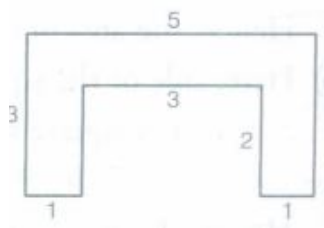
207) The length and breadth of three rectangles are as given below.
(a)9 m and 6 m (b) 17 m and 3 m (c)4 m and 14 m
Which one has the largest area and which one has the smallest?

208) Five square flower beds each of sides 1 m are dug on a piece of land 5 m long and 4 m wide. What is the area of the remaining part of the land?

209) By splitting the following figures into rectangles, find their areas (the measures are given in centimetres).



210) By splitting the following figures into rectangles, find their areas (the measures are given in centimetres).



211) How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are respectively.
(a) 100 cm and 144 cm (b) 70 cm and 36 cm

212) On a centimetre squared paper, make as many rectangles as you can, such that the area of the rectangle is 16 sq cm (consider only natural number lengths).
(a) Which rectangle has the greatest perimeter?
(b) Which rectangle has the least perimeter?
If you take a rectangle of area 24 sq cm, what will be your answers? Given any area, is it possible to predict the shape of the rectangle with the greatest perimeter? With the least perimeter? Give example and reason.

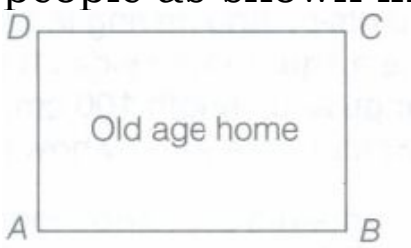
213) Length of a rectangular field is 250 m and width is 150 m. Anuradha runs around this field 3 times. How far did she run? How many times she should run around the field to cover a distance of 4 km?

214) The lawn in front of Molly's house is 12 m$\times$ 8m, whereas the lawn in front of Dolly's house is 15 m $\times$ 5 m. A bamboo fencing is built around both the lawns. How much fencing is required for both?

215) Find the cost of fencing a rectangular field 34 m long and 18 m wide at Rs.2.25 per metre. What is the cost of cultivating the field at Rs. 4.50 per square metre?

216) A room 9.68 m long and 6.2 m wide. Its floor is to be covered with glazed tiles of 22 cm by 10 cm each. If rate of tiles is Rs.25 per tile. Find the total cost of tiles.

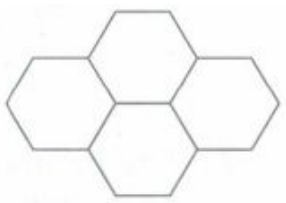
217) A plot is in the form of a rectangle. The length and the width of this rectangular plot is 300 m and 200 m, respectively. Owner of this plot wants an old age home for elderly people as shown in figure



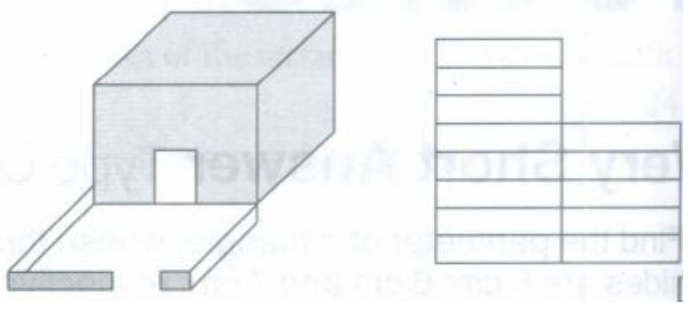
(a) Find the area of this plot.
(b) Which values are depicted here?

218) If length of a rectangle is halved and breadth is doubled, then the area of the rectangle obtained remains same. Is it true?

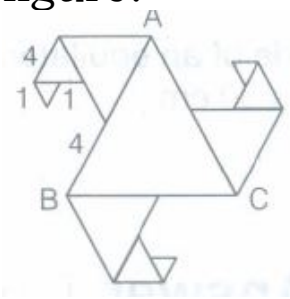
219) Four regular hexagons are drawn, so as to form the design as shown in figure. If the perimeter of the design is 28 cm. Then, find the length of each side of the hexagon.



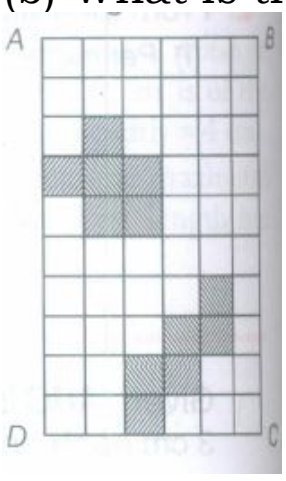
220) There is a rectangular lawn 10 m long and 4 m wide in front of Meena's house. It is fenced along the two smaller sides and one longer side leaving a gap of 1 m for the entrance. Find the length of fencing.



221) In the given figure, all triangles are equilateral and AB = 8 units. Other triangles have been formed by taking the mid-points of the sides. What is the perimeter of the figure?



222) In figure each square is of unit length
(a) What is the perimeter of the rectangle ABCD?
(b) What is the area of the rectangle ABCD?

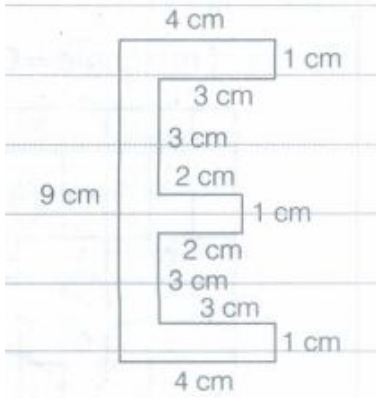


(c) Divide this rectangle into ten parts of equal area by shading squares. (Two parts of equal area are shown here)
(d) Find the perimeter of each part which you have divided. Are they all equal?

223) The perimeter of a squared garden is 48 m. A small flower bed covers 18 sq m area inside this garden. What is the area of the garden that is not covered by the flower bed? What fractional part of the garden is covered by flower bed? Find the ratio of the area covered by the flower bed and the remaining area.

224) Area of a square is same as the perimeter of a rectangle whose length and breadth are 35 cm and 15 cm, respectively. Find the length of a side of the square.

225) By splitting the following figure into rectangles find the area.



226) The length and breadth of a rectangular paper sheet are 8 cm and 5 cm respectively. Find the area of the greatest square that can be formed by using the paper sheet

227) The sum of the length of a side and perimeter of a square is 20. Find the area of a square

228) The length of a rectangle is twice of its breadth.If perimeter of the rectangle is 18 cm. Find its area.

229) A rectangular park is 100 m long and 50 m wide How many rounds are needed to cover the distance of 1.2 km?

230) The perimeter of a regular hexagon is 72 cm How long is its each side?

231) The measures of the sides of some of the rectangles are given. Find their areas by placing them on a graph paper and counting the number of squares.

Length	Breadth	Area
3 cm	4 cm	___
7 cm	5 cm	___
5 cm	3 cm	___

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