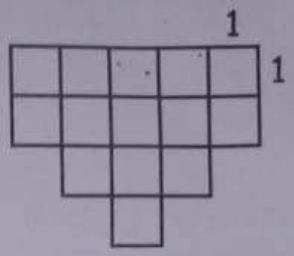
Direction (Qs. 1 to 3): Look at the picture given below and answer the questions that follow:



1. **If area : 14 square cm :: Perimeter : ?** **[Mental Mathematics]**

   (a) 15 cm (b) 16 cm

   (c) 17 cm (d) 18 cm

2. **If perimeter of 1 small square is 4 m then what is the area of the whole figure?** **[Mental Mathematics]**

   (a) 14 square metre (b) 15 square meter

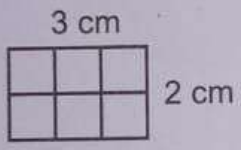
   (c) 16 square metre (d) 17 square metre

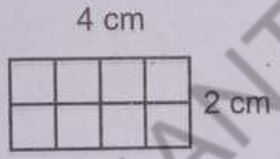
3. **If area : 14 square feet :: Perimeter : ?** **[Mental Mathematics]**

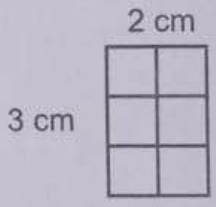
   (a) 15 feet (b) 16 feet (c) 17 feet (d) 18 feet

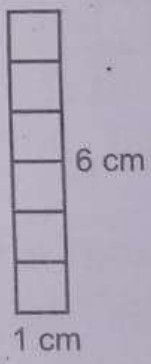
Direction (Qs. 4 to 7): Timsy is drawing some figures of given area. Find the odd one out in the following questions : **[Mental Mathematics]**

4. **Area = 6 square cm.**

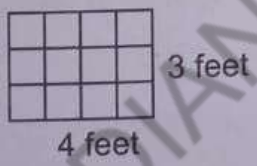
   (a) 

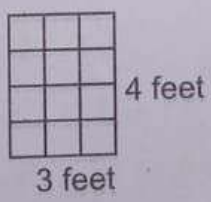
   (b) 

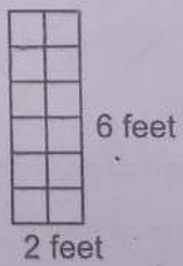
   (c) 

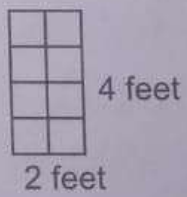
   (d) 

5. **Area = 12 square feet.**

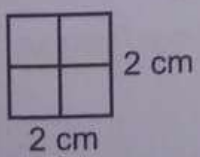
   (a) 

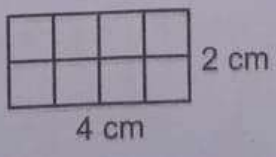
   (b) 

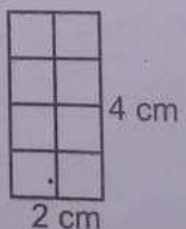
   (c) 

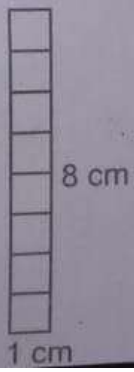
   (d) 

6. **Area = 8 square cm**

   (a) 

   (b) 

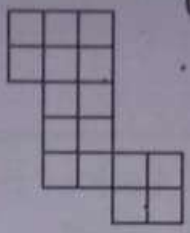
   (c) 

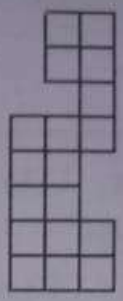
   (d) 

7. **Area = 16 square metre**

(a) 

(b) 

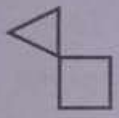
(c) 

(d) 

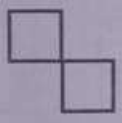
Direction (Qs. 8 to 10): Find the perimeter in units of the figures given in the following questions whose each edge of length 1 unit. **[Mental Mathematics]**

8. 

(a) 7 (b) 8 (c) 9 (d) 10

9. 

(a) 7 (b) 8 (c) 9 (d) 10

10. 

(a) 6 (b) 7 (c) 8 (d) 9

11. **What is the perimeter of square of side 9 cm?**

(a) 35 cm (b) 36 cm (c) 37 cm (d) 38 cm

12. **What is the area of 11 unit squares?** **[Mental Mathematics]**

(a) 110 square units (b) 100 square units

(c) 11 square units (d) 10 square units

13. **Which of the following statement describes the term 'perimeter' correctly?**

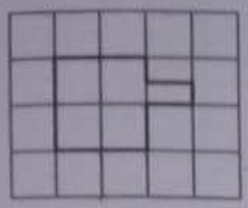
(a) Perimeter can be defined as the amount of surface covered by any figure or object.

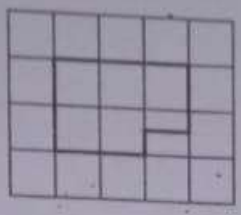
(b) The sum of all the lengths of a figures is called its perimeter.

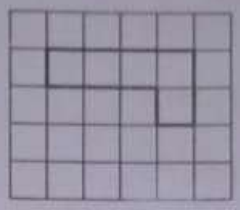
(c) The multiplication of all the lengths of a figure is called its perimeter.

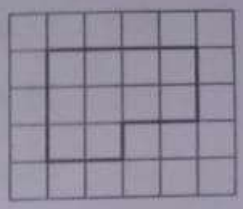
(d) None of the above.

14. Which of the following shape is suitable with the area $5\frac{1}{2}$ cm². [Mental Mathematics]

(a) 

(b) 

(c) 

(d) 

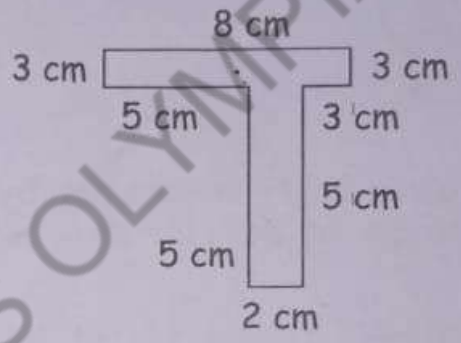
15. Weight : Kilogram : : _____ : Metre.

(a) Area (b) Volume (c) Perimeter (d) Rupees

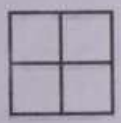
16. Find the perimetre of the figure given below : [2011]

(a) 34 cm (b) 20 cm

(c) 24 cm (d) 32 cm

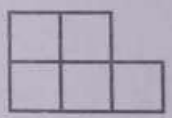


17. Arrange the following figures in increasing order according to their area. [Critical Thinking]


A


B


C


D

(a) C D A B (b) A C D B (c) C A D B (d) B A C D

18. If Park A : 140 :: ? : 180

(a) Park B (b) Park C (c) Park B (d) Park E

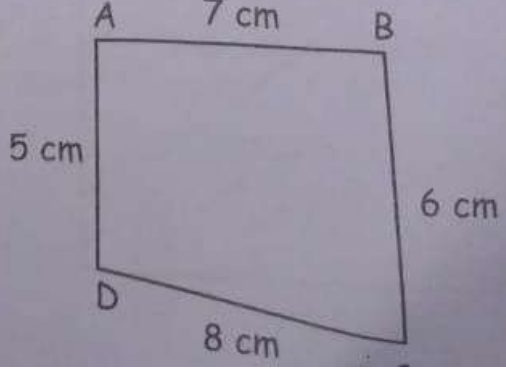
19. Find the perimeter of a square whose length of each side is 3 cm. [2013]

(a) 13 cm (b) 12 cm (c) 14 cm (d) 18 cm

20. Find the perimeter of the following figure. [2015]

(a) 62 cm (b) 26 cm

(c) 4 cm (d) 14 cm



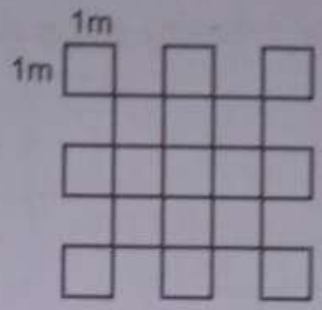
21. Find the area of the figure given below:

(a) 16 square metre

(b) 17 square metre

(c) 18 square metre

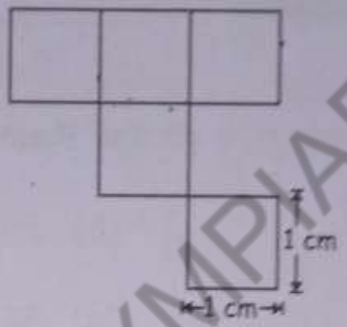
(d) 19 square metre



22. Find the perimeter of the given figure. [2016]

(a) 24 cm (b) 21 cm

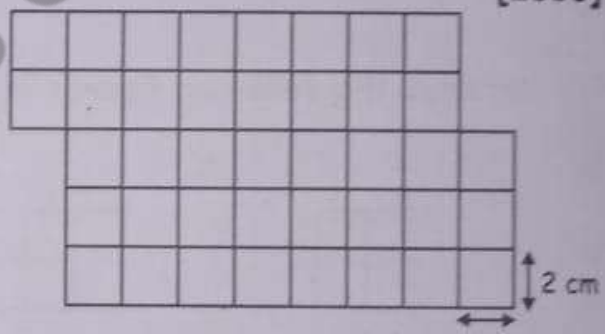
(c) 14 cm (d) 17 cm



23. The given figure is obtained by removing some small squares from a big rectangle. The length of one side of a small square is 2 cm. Find the perimeter of the figure. [2013]

(a) 28 cm (b) 42 cm

(c) 56 cm (d) 160 cm



Direction (Qs. 24 to 26): Chinku is making a design using coloured papers. He cut out a square of side 10 cm as shown in fig. A. Then he cut out small squares of side 1 cm from various sections of the large square as given in fig. B. Look at the figures and answer the questions that follow: **[Critical Thinking]**

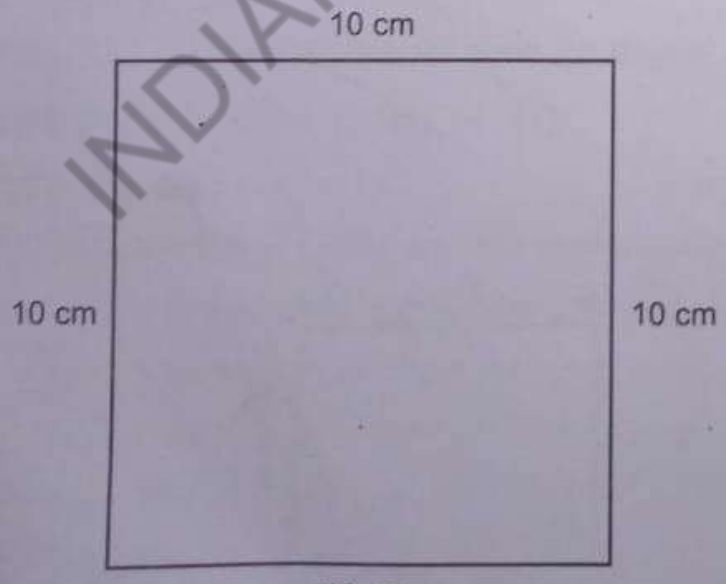


Fig. A

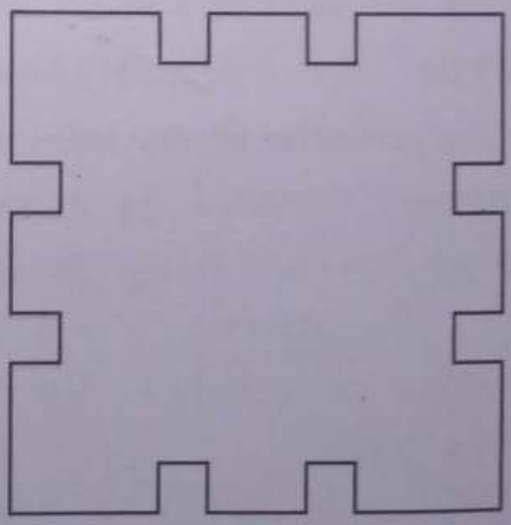


Fig. B

24. What is the perimeter of fig. A? [2009]

(a) 40 cm (b) 50 cm (c) 60 cm (d) 70 cm

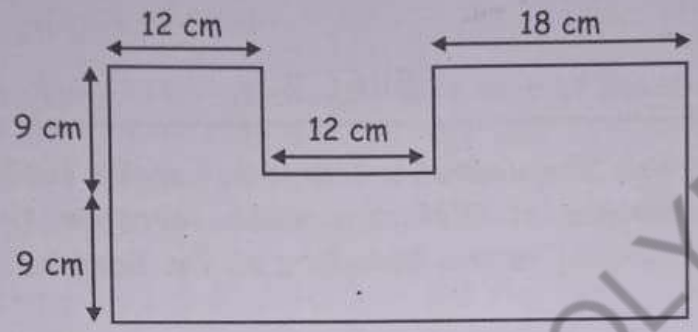
25. What is the perimeter of fig. B? [2008]

(a) 46 cm (b) 56 cm (c) 66 cm (d) 76 cm

26. What is the difference in the perimeter of fig. A and fig. B?

(a) 6 cm (b) 10 cm (c) 16 cm (d) 26 cm

27. Find the perimeter of the given figure? [2016]



(a) 160 cm (b) 142 cm (c) 138 cm (d) 130 cm

Direction (Qs. 28 to 30): Dimensions of different Parks in a locality is given in a table. Read the table given below and answer the questions that follow: **[Critical Thinking]**

Park	Length	Width
A	50 m	20 m
B	30 m	10 m
C	70 m	30 m
D	25 m	15 m
E	65 m	25 m

28. Which of the following Park has largest boundary?

(a) Park A (b) Park C (c) Park E (d) Park B

29. Which of the following Park has smallest boundary?

(a) Park D (b) Park A (c) Park E (d) Park C

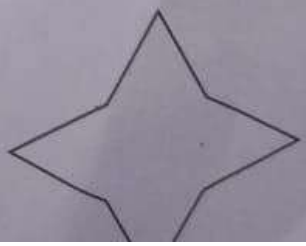
30. Which of the following Park has same boundary as that of Park B?

(a) Park A (b) Park C (c) Park D (d) Park E

31. Find the perimeter of the given figure, if all the sides are of length 3 tens – (10 ones + 4 ones) cm. [2013]

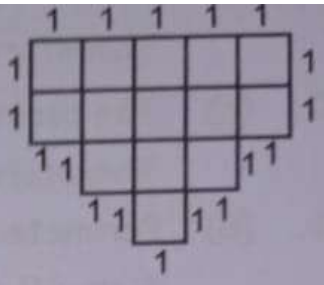
(a) 110 cm (b) 128 cm

(c) 138 cm (d) 150 cm



1. (d) Perimeter of the figure = 18 cm.

Therefore, the answer is option (d) 1 8 cm.



2. (a) Area of the figure

1	2	3	4	5
6	7	8	9	10
	11	12	13	
		14		

= 14 square metre

Therefore, the answer is option (a) 14 square metre.

3. (d) Perimeter = 18 feet.

Therefore, the answer is option (d) 18 feet.

4. (b) The odd one is option (b)

Since,

1	2	3	4
5	6	7	8

Area = 8 square cm.

5. (d) The odd one is option (d)

Since,

1	2
3	4
5	6
7	8

area = 8 square feet.

6. (a) The odd one is option (a).

Since,

1	2
3	4

Area = 4 square cm.

7. (d) The odd one is option (d)

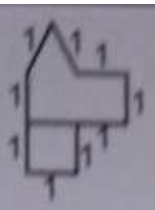
Since,

	1	2
	3	4
		5
7	12	6
8	13	
9	14	
10	15	17
11	16	18

area = 18 square metres.

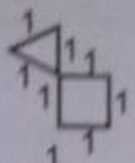
8. (c) The perimeter of the given figure = 9 units

Therefore, the answer is option (c) 9.



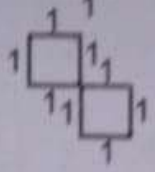
9. (a) The perimeter of the given figure = 7 units

Therefore, the answer is option (a) 7.



10. (c) The perimeter of the given figure = 8 units

Therefore, the answer is option (c) 8.



11. (b) Perimeter of the square of side = 9 cm

9 cm + 9 cm + 9 cm + 9 cm = 36 cm.

Therefore, the answer is option (b) 36 cm.

12. (c) Area of 11 unit squares = 11 square units.

Therefore, the answer is option (c) 11 square units.

13. (b) Statement given in option (b) describes the term 'perimeter' correctly.

14. (b) Shape given in option (b) represents the area $5\frac{1}{2}$ cm².

15. (c) Kilogram is the unit to measure the weight and metre is the unit to measure the perimeter.

16. (a) Perimeter of the figure

= 8 + 3 + 3 + 5 + 3 + 5 + 5 + 2 = 34 cm

17. (c) Area of A = 4 square units

Area of B = 8 square units

Area of C = 2 square units

Area of D = 5 square units

Therefore, the answer is option (c) C A D B.

18. (d) Boundary of Park E = 180.

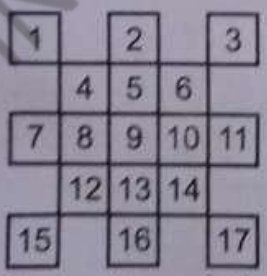
So, Park : 180

Therefore, the answer is option (d) Park E.

19. (b) Perimeter of square = 4 × 3 = 12 cm

20. (b) Perimeter of the figure = 7 + 5 + 8 + 6 = 26 cm

21. (b)



Area of the given figure = 17 square metre

Therefore, the answer is option (b) 17 square meter.

22. (c) Perimeter of the figure = 14 cm

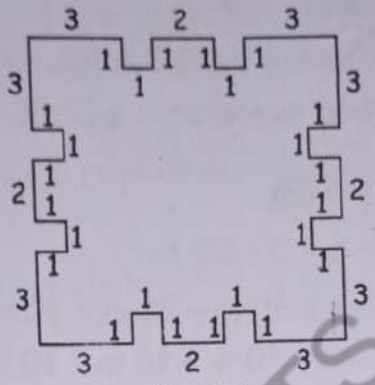
23. (c) Perimeter of the figure = 2 × 28 = 56 cm

24. (a) Perimeter of fig A = 10 cm + 10 cm + 10 cm + 10 cm = 40 cm

Therefore, the answer is option (a) 40 cm.

25. (b) Perimeter of fig. B

= 3 + 1 + 1 + 1 + 2 + 1 + 1 + 1 + 3 + 3 + 1 + 1 + 1 + 2 + 1 + 1 + 1 + 3 + 3 + 1 + 1 + 1 + 2 + 1 + 1 + 1 + 3 + 3 + 1 + 1 + 1 + 2 + 1 + 1 + 1 + 3 = 56 cm.



Therefore, the answer is option (b) 56 cm.

26. (c) Perimeter of fig. A = 40 cm.
Perimeter of fig. B = 56 cm.
Difference = 56 cm - 40 cm = 16 cm.
Therefore, the answer is option (c) 16 cm.

27. (c) 138 cm

28. (b) Boundary of Park A = 50 + 50 + 20 + 20 = 140 m
Boundary of Park B = 30 + 30 + 10 + 10 = 80 m
Boundary of Park C = 70 + 70 + 30 + 30 = 200 m
Boundary of Park D = 25 + 25 + 15 + 15 = 80 m
Boundary of Park E = 65 + 65 + 25 + 25 = 180 m
Park C has largest boundary.
Therefore, the answer is option (b) Park C.

29. (a) Since, Park D has smallest boundary. Therefore, the answer is option (a) Park D.

30. (c) Park B and Park D has same boundary as 80m. Therefore, the answer is option (c) Park D.

31. (b) Perimeter of the figure = 8 × 16 = 128 cm.

32. (a) Perimeter of the figure = 20 + 24 + 24 + 20 = 88 cm.