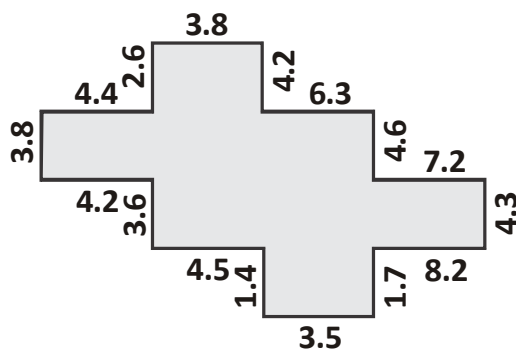**Class : 5**   *Mathematics*
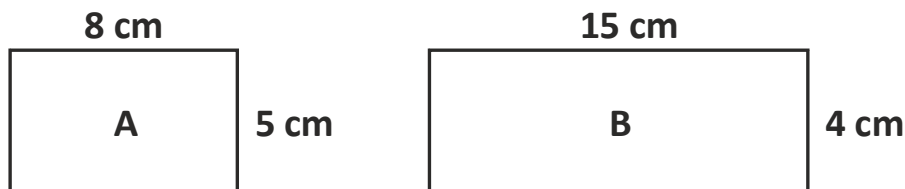
1. **Study the pattern of fractions.**

$$\frac{3}{4},\ 1\frac{4}{5},\ 2\frac{5}{6},\ \boxed{?},\ 4\frac{7}{8}$$

   How is the missing fraction expressed as a mixed fraction ?

   (A) $6\frac{3}{7}$ (B) $7\frac{3}{5}$ (C) $3\frac{6}{7}$ (D) $6\frac{1}{7}$

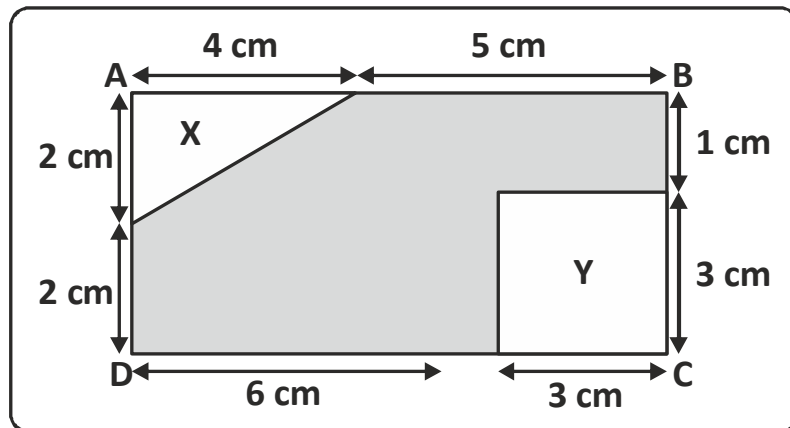2. **What is the perimeter of the given figure if all the measures are in cm ?**

   (A) 68.2 cm   (B) 68.1 cm

   (C) 86.3 cm   (D) 68.3 cm

3. **What is the ratio of the area of rectangle A to the area of rectangle B ?**
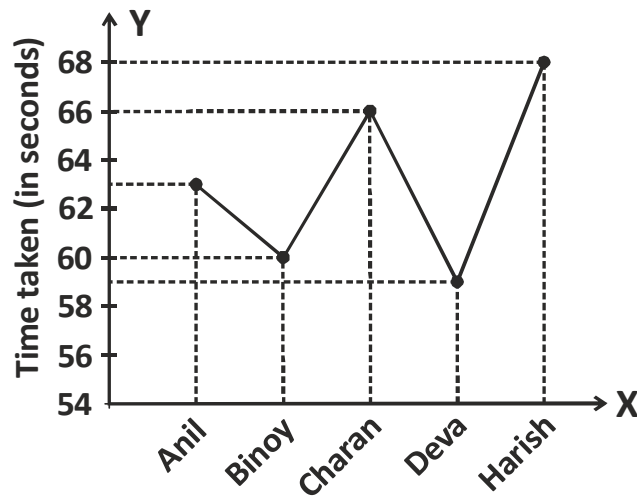

   (A) 1 : 2   (B) 1 : 3   (C) 2 : 3   (D) 3 : 2
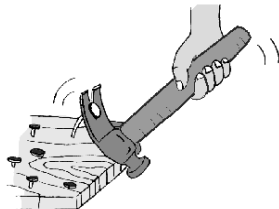
4. Find the area of the shaded part.

	4 cm	5 cm

A ← 4 cm → ← 5 cm → B

X

2 cm

1 cm

2 cm

Y

3 cm

D ← 6 cm → ← 3 cm → C

(A) 23 cm²   (B) 24 cm²

(C) 27 cm²   (D) 30 cm²

5. What is the average time taken by the boys to complete the race ?

Time taken (in seconds)

Y
68
66
64
62
60
58
56
54

Anil Binoy Charan Deva Harish   X

(A) 62.5 seconds   (B) 63.2 seconds

(C) 64 seconds   (D) 63 seconds

**6.** **Study the given figure. In this case the hammer acts as a**

(A) Ist order lever   (B) IInd order lever

(C) Inclined plane   (D) Pulley

7. **Ravi observed water droplets on the leaves of a plant on a cold morning as shown in the figure given below. The water droplets are formed by the**
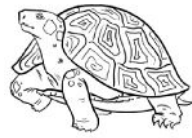

(A) condensation of water vapour in air.

(B) freezing of water in leaves.

(C) evaporation of water from leaves.

(D) all of these.

8. **Which of the following is 'X' in the figure given below ?**
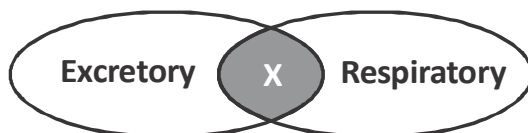
(A) Kidney   (B) Lungs   (C) Stomach   (D) Heart

9.   How are the following animals similar ?
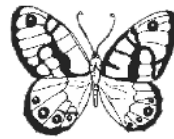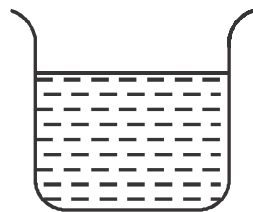

tortoise   moth   lizard

(A) They can crawl   (B) They can fly
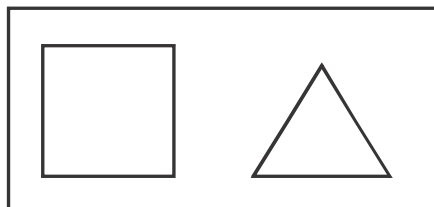
(C) They lay eggs   (D) They have four legs.

10.   Mary drops a stone into a beaker of water. She notices that the level of water rises in the beaker.

beaker
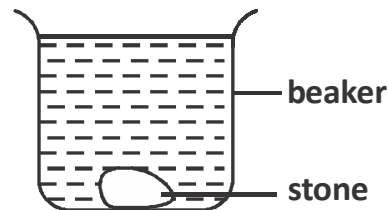
stone

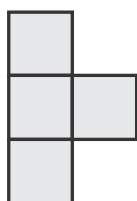The experiment that Mary has done tells her that the stone

(A) has no mass.

(B) has the same volume as the water.

(C) has no volume.

(D) occupies space.

11. **Find the shape that cannot be made by overlapping the two given figures.**

(A)   (B)   (C)   (D)

12. **Find the total number of wooden blocks used in a figure with the following top, front and side views.**
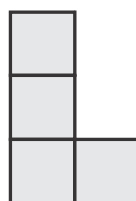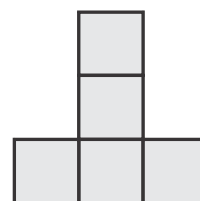
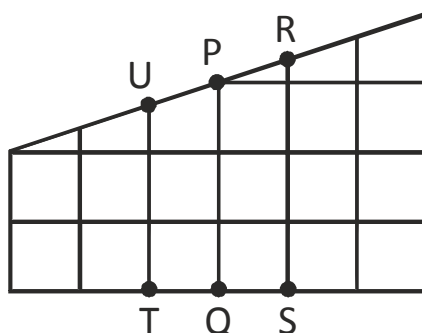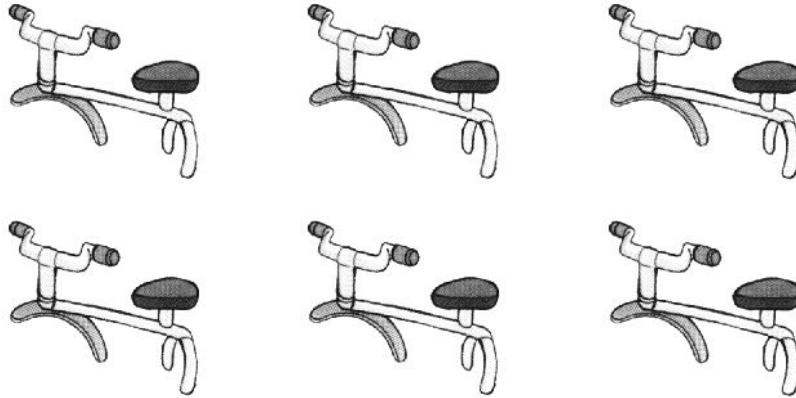Top   Front   Right side

(A) 8   (B) 6   (C) 5   (D) 4

13 **Which two points in the figure must be joined to divide the complete region into two identical parts ?**

(A) US   (B) RT   (C) RQ   (D) PS

14. There are a total of 6 bicycles and tricycles. If there is a total of 15 wheels, how many bicycles and tricycles are there ?

(A) 2, 4　　(B) 3, 3　　(C) 4, 2　　(D) 1, 5

15. Write the name of the fruit described.

- This fruit is not in column B.
- This fruit is not in the same row or column as the grapes.
- This fruit is not in row 1.

(A) Apple　　　　　　　(B) Mango

(C) Banana　　　　　　(D) Strawberry