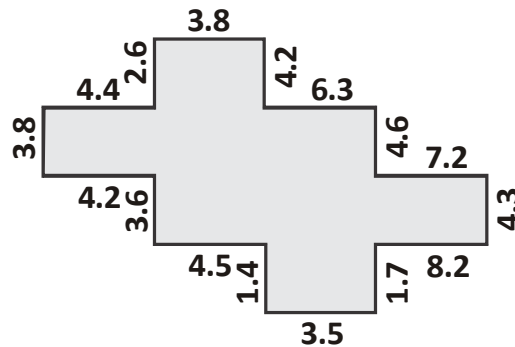


1. Study the pattern of fractions.

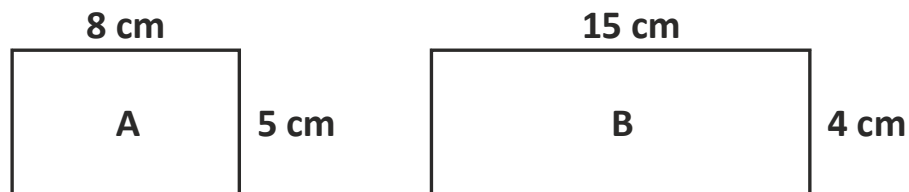
$$\frac{3}{4}, 1\frac{4}{5}, 2\frac{5}{6}, \boxed{?}, 4\frac{7}{8}$$

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 ?

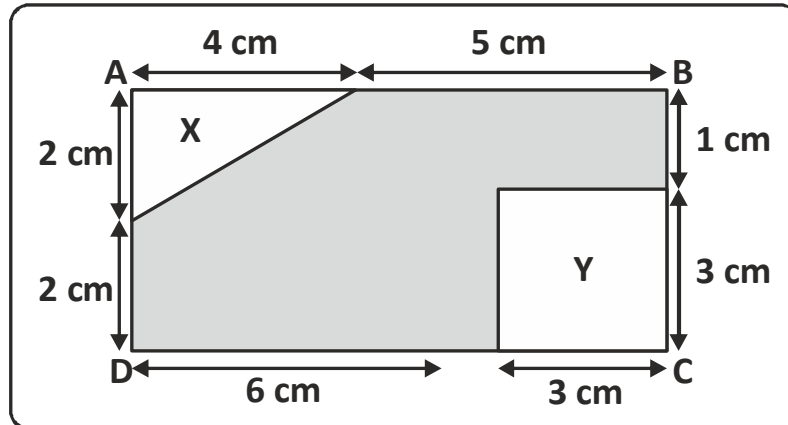


- (A) 68.2 cm      (B) 68.1 cm  
(C) 86.3 cm      (D) 68.3 cm
3. What is the ratio of the area of rectangle A to the area of rectangle B ?



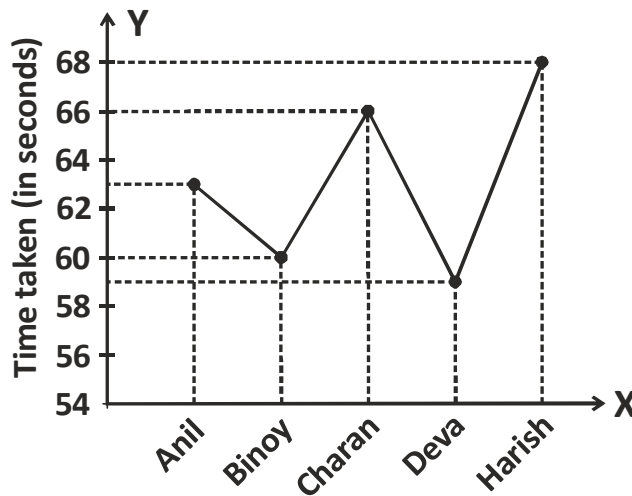
- (A) 1 : 2      (B) 1 : 3      (C) 2 : 3      (D) 3 : 2

4. Find the area of the shaded part.



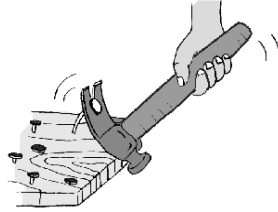
- (A)  $23 \text{ cm}^2$                       (B)  $24 \text{ cm}^2$   
 (C)  $27 \text{ cm}^2$                       (D)  $30 \text{ cm}^2$

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



- (A) 62.5 seconds                      (B) 63.2 seconds  
 (C) 64 seconds                        (D) 63 seconds

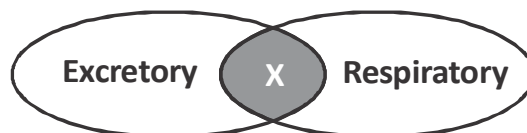
6. Study the given figure. In this case the hammer acts as a



- (A) I<sup>st</sup> order lever                      (B) II<sup>nd</sup> 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

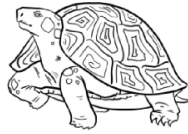


- (A) condensation of water vapour in air.  
(B) freezing of water in leaves.  
(C) evaporation of water from leaves.  
(D) all of these.
8. Which of the following is 'X' in the figure given below ?

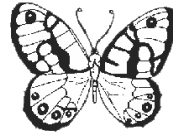


- (A) Kidney (B) Lungs (C) Stomach (D) Heart

9. How are the following animals similar ?



tortoise



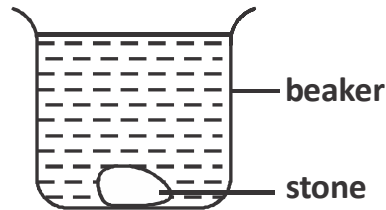
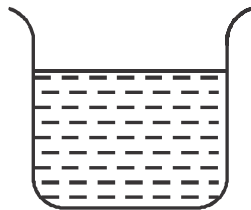
moth



lizard

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

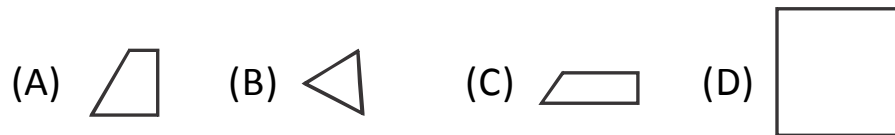
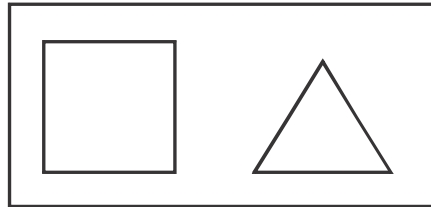
10. Mary drops a stone into a beaker of water. She notices that the level of water rises in the beaker.



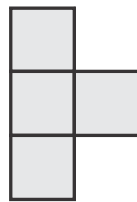
The experiment that Mary has done tells her that the stone

- (A) has no mass.  
(B) has the same volume as the water.  
(C) has no volume.  
(D) occupies space.

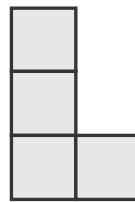
11. Find the shape that cannot be made by overlapping the two given figures.



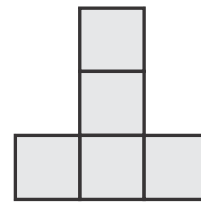
12. Find the total number of wooden blocks used in a figure with the following top, front and side views.



Top



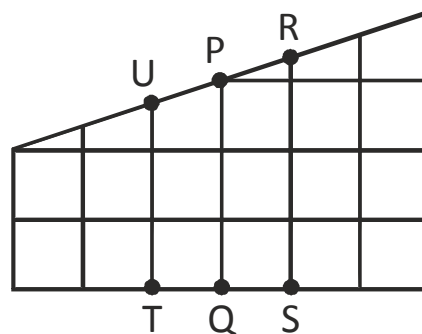
Front



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

