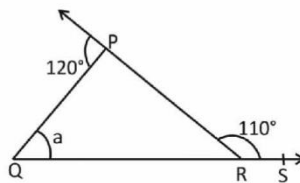


Class-VII

Sample Questions

- Find the ratio among the time taken by three buses to travel the same distance if the ratio of their speeds are 5:4:6.
 - 10 : 15 : 12
 - 12 : 15 : 10
 - 10 : 12 : 15
 - 15 : 12 : 10
- The present ages of Peter & Jony are in the ratio of 4:3, four years later, their ages will be in the ratio of 6 : 5. What is their present ages?
 - 8 and 9 years
 - 6 and 9 years
 - 8 and 6 years
 - 5 and 9 years
- Find the value of 'a' in the following figure



- 50°
 - 55°
 - 60°
 - 45°
- The compound interest on a sum for 2 years at 12% per annum is 510. What would the simple interest on the same sum at the same rate for the same period.
 - Rs 400
 - Rs 450
 - Rs 460
 - Rs 481.13

5. Find the perimeter of the following figure which is a semicircle including its diameter.

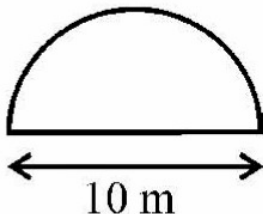
(Take $\pi = 3.147$)

(a) 25 m

(b) 20 m

(c) 25.7 m

(d) 20.7 m



6. Radii of two concentric circles are 4 cm and 3 cm respectively. Find the area enclosed between two circles.

(a) 98 cm^2

(b) 199 cm^2

(c) 22 cm^2

(d) 99 cm^2

7. Sofia started walking straight towards South. She walked a distance of 15 m and then took a left turn and walked a distance of 30m. Then she took a right turn and walked a distance of 15 m again. Sofia is facing in which direction?

(a) North-East

(b) South

(c) North

(d) South – West

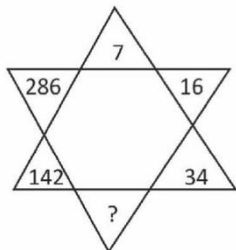
8. Find the number at the place of question mark.

(a) 72

(b) 70

(c) 68

(d) 66

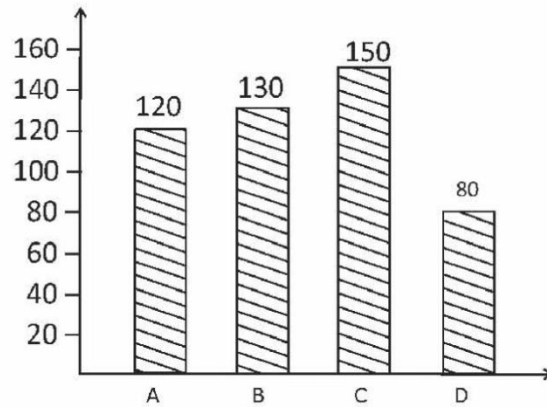


9. Find the value of x so that $2^{x+1} = 4^{2x-1}$

- (a) $\frac{3}{2}$
- (b) 1
- (c) 2
- (d) $\frac{1}{2}$

10. The graph given below represents the population (in lakhs) of some cities. Which city has minimum population?

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





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