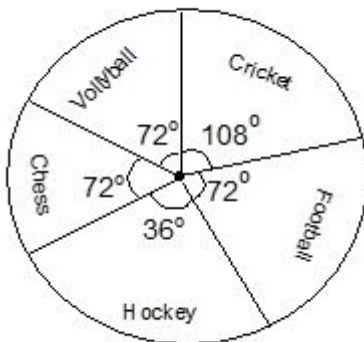


DELHI PUBLIC SCHOOL, MIYAPUR

SECTION-A

Directions (Q. 1 TO 3): The following pie chart shows the distribution of 50 students of a class who play different types of games.



1. Find the number of students who play Cricket.

- ☒ (A) 15
- ☐ (B) 20
- ☐ (C) 30
- ☐ (D) 45

Clear selection

2. Find the number of students who play Football.

- ☐ (A) 18
- ☐ (B) 36
- ☐ (C) 30
- ☒ (D) 10

Clear selection

3. Find the number of students who play Hockey.

- ☐ (A) 15
- ☒ (B) 5
- ☐ (C) 10
- ☐ (D) 9

Clear selection

4. If the length of two diagonals of a rhombus are 12 cm and 16 cm, then the length of each side of the rhombus is.

- ☒ (A) 10 cm
- ☐ (B) 14 cm
- ☐ (C) 8cm
- ☐ (D) 6cm

Clear selection



5. In the class interval 5-15, find the upper limit and class size.

- ☐ (A) Upper limit = 5, Class size = 5
- ☐ (B) Upper limit = 15, Class size = 5
- ☒ (C) Upper limit = 15, Class size = 10
- ☐ (D) Upper limit = 5, Class size = 10

Clear selection

6. A group of 20 students recorded their heights (in cm). The data received were as given below. What is the range?

156, 121, 110, 163, 155, 151, 159, 147, 148, 149,

160, 170, 141, 157, 159, 146, 148, 153, 138, 135.

- ☐ (A) 50
- ☐ (B) 55
- ☒ (C) 60
- ☐ (D) 47

Clear selection

7. Find the number of diagonals in a Hexagon.

- ☐ (A) 18
- ☐ (B) 12
- ☐ (C) 6
- ☒ (D) 9

Clear selection



8. The class marks of the class intervals 10-15 and 15-20 respectively are.

- ☐ (A) 10,15
- ☒ (B) 12.5, 17.5
- ☐ (C) 15, 20
- ☐ (D) 12.5 ,22.5

Clear selection

9. Each group of a grouped frequency distribution is called as.

- ☐ (A) Class size
- ☐ (B) Range
- ☒ (C) Class - interval
- ☐ (D) Class mark

Clear selection

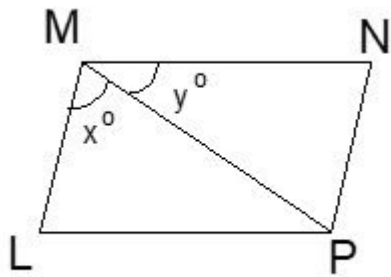
10. In a histogram forms the base of the bars or rectangles.

- ☐ (A) Range
- ☐ (B) Frequency
- ☐ (C) Class mark
- ☒ (D) Class - interval

Clear selection



11. LMNP is a parallelogram as shown in the figure. Then the shown angles x and y are related as _____

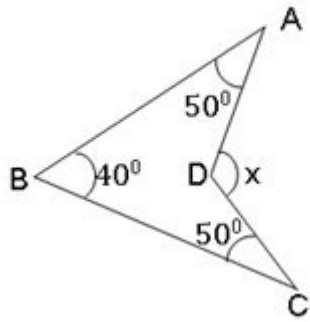


- ☐ (A) $x = y$
- ☒ (B) $x < y$
- ☐ (C) $x > y$
- ☐ (D) Cannot be determined from the given data

Clear selection



12. In the figure, find the value of x .



- (A) 220°
- (B) 160°
- (C) 140°
- (D) None of these

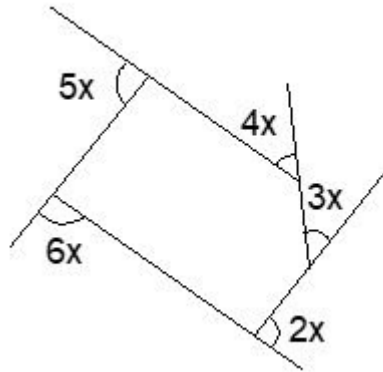
- ☐ (A) Option A
- ☐ (B) Option B
- ☒ (C) Option C
- ☐ (D) Option D

Clear selection



13. The following figure shows a polygon with all its exterior angles. The value of x is _____

- (A) 10°
- (B) 18°
- (C) 20°
- (D) 36°



- ☐ (A) Option A
- ☒ (B) Option B
- ☐ (C) Option C
- ☐ (D) Option D

Clear selection

14. ABCD is a trapezium in which $AB \parallel DC$ and $AD = BC$. If $\angle A = 70^\circ$, then

$\angle C = ?$
 (A) 70°
 (C) 20°

(B) 110°
 (D) Can't be determined

- ☐ (A) Option A
- ☒ (B) Option B
- ☐ (C) Option C
- ☐ (D) Option D

Clear selection



15. Find the measure of each interior angle of a regular Decagon.

(A) 120°

(B) 144°

(C) 36°

(D) 60°

☐ (A) Option A

☒ (B) Option B

☐ (C) Option C

☐ (D) Option D

Clear selection

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