

**INDIAN SCHOOL AL WADI AL KABIR**

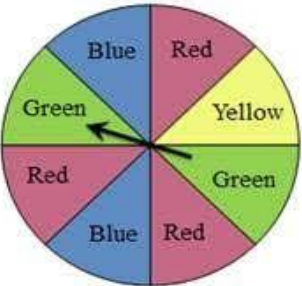
**Class VII**, Mathematics

**MCQ – DATA HANDLING**

**09-05-2021**

**OBJECTIVE TYPE (1 Mark)**

<b>Q.1.</b>	From 10 cards marked with numbers from 1 to 10 placed in a box, one card is drawn at random. The probability of getting a number which is multiple of 3 is _____.																	
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </tbody> </table>								1	2	3	4	5	6	7	8	9	10
1	2	3	4	5														
6	7	8	9	10														
	<b>A</b>	$\frac{1}{10}$	<b>B</b>	$\frac{3}{10}$	<b>C</b>	$\frac{1}{2}$	<b>D</b>	$\frac{1}{3}$										
<b>Q.2.</b>	The mean of the following data: 13, 15, 18, 12, 14, 16, 17, 15																	
	<b>A</b>	15	<b>B</b>	12	<b>C</b>	10	<b>D</b>	14										
<b>Q.3.</b>	The number of books arranged in different shelves in the school library are 33, 38, 48, 33, 34, 34, 33 and 24. The mode of this data is:																	
	<b>A</b>	48	<b>B</b>	33	<b>C</b>	24	<b>D</b>	38										
<b>Q.4.</b>	The probability of an event, there is no chance to happen is _____.																	
	<b>A</b>	1	<b>B</b>	0	<b>C</b>	2	<b>D</b>	None of these										
<b>Q.5.</b>	Which measure of central tendency best represents the data of the most popular brand of an item chosen by a group of people?																	
	<b>A</b>	Mean	<b>B</b>	Median	<b>C</b>	Mode	<b>D</b>	None of these										
<b>Q.6.</b>	Find the mode of 2, 6, 5, 3, 0, 3, 4, 3, 2, 4, 5, 2, 4																	
	<b>A</b>	2,3	<b>B</b>	2,3,4	<b>C</b>	5	<b>D</b>	0										
<b>Q.7.</b>	The range of the data: 22, 56, 57, 68, 92, 58, 24, 43 is																	
	<b>A</b>	71	<b>B</b>	24	<b>C</b>	70	<b>D</b>	92										
<b>Q.8.</b>	The median of the data: 13, 14, 15, 16, 17, 13, 14 is:																	
	<b>A</b>	13	<b>B</b>	14	<b>C</b>	15	<b>D</b>	16										

<b>Q.9.</b>	Raj wrote the following integers on the board. What is the range of these data?													
	<table border="1" style="margin: auto;"> <tbody> <tr> <td style="padding: 5px;">-5,</td> <td style="padding: 5px;">0,</td> </tr> <tr> <td style="padding: 5px;">15,</td> <td style="padding: 5px;">-1, 10,</td> </tr> <tr> <td style="padding: 5px;">6,</td> <td style="padding: 5px;">12, -3</td> </tr> </tbody> </table>								-5,	0,	15,	-1, 10,	6,	12, -3
-5,	0,													
15,	-1, 10,													
6,	12, -3													
	<b>A</b>	-5	<b>B</b>	-20	<b>C</b>	20	<b>D</b>	15						
<b>Q.10.</b>	The runs scored in a cricket match by 11 players is as follows: 0, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15. The median of this data is:													
	<b>A</b>	15	<b>B</b>	0	<b>C</b>	120	<b>D</b>	80						
<b>Q.11.</b>	A coin is flipped to decide which team starts the game. What is the probability that your team will start?													
	<b>A</b>	$\frac{1}{11}$	<b>B</b>	$\frac{1}{6}$	<b>C</b>	$\frac{1}{2}$	<b>D</b>	$\frac{2}{5}$						
<b>Q.12.</b>	The heights of 10 students were measured in cm and the results are as follows: 135, 150, 139, 128, 151, 132, 146, 149, 143, 141. The range of the data is:													
	<b>A</b>	20	<b>B</b>	23	<b>C</b>	150	<b>D</b>	149						
<b>Q.13.</b>	What is the probability of getting red colour?													
														
	<b>A</b>	$\frac{3}{5}$	<b>B</b>	$\frac{3}{8}$	<b>C</b>	$\frac{5}{8}$	<b>D</b>	$\frac{1}{8}$						
<b>Q.14.</b>	What is the probability of getting a vowel from the word 'mathematics'.													
	<b>A</b>	$\frac{7}{11}$	<b>B</b>	$\frac{4}{11}$	<b>C</b>	$\frac{7}{4}$	<b>D</b>	$\frac{4}{7}$						
<b>Q.15.</b>	Calculate the mean of the marks obtained by 10 students in a test. Marks: 13, 16, 14, 9, 18, 11, 7, 10, 12, 20.													
	<b>A</b>	12	<b>B</b>	11	<b>C</b>	13	<b>D</b>	120						

### Fill in the blanks

**Q16.** A \_\_\_\_\_ is a representation of numbers using bars of uniform widths.

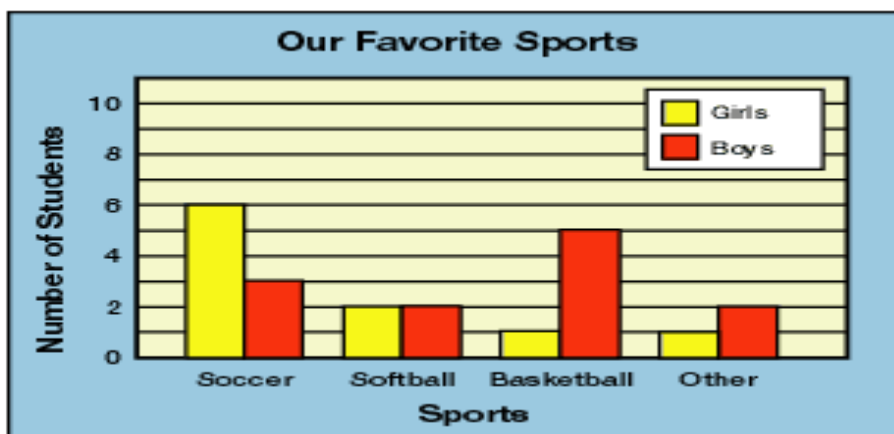
**Q17.**  $\frac{\text{Sum of all observations}}{\text{Total number of observations}} = \underline{\hspace{2cm}}$ .

**Q18.** In a given data, arranged in ascending or descending order, the \_\_\_\_\_ gives us the middle observation.

**Q19.** The probability of an event which is certain to happen is \_\_\_\_\_.

**Q20.** The difference between the highest and the lowest observations of a data is called \_\_\_\_\_.

**Q21.** **CASE STUDY:** The class teacher conducted a survey to find out the number of students like the listed sports for the selection of the school meet. Observe the bar graph and answer the following questions:



**I)** Which sport has the maximum number of students opted?

- A** Soccer      **B** Basketball      **C** Softball      **D** Others

**II)** Find the total number of students took part in the survey?

- A** 22      **B** 9      **C** 6      **D** 4

**III)** In which sport, both boys and girls are having same number opted?

- A** Soccer      **B** Basketball      **C** Softball      **D** Others

**IV)** In which sport, boy's number is lesser than the girl's number?

- A** Soccer      **B** Basketball      **C** Softball      **D** Others

**V)** What is the ratio of the girls to the boys who opted basketball?

- A** 1:1      **B** 6:2      **C** 1:5      **D** 1:3

**ANSWERS**

<b>Q.1.B</b>	<b>Q.2.B</b>	<b>Q.3.B</b>	<b>Q.4 B</b>
<b>Q.5. C</b>	<b>Q.6 B</b>	<b>Q.7 C</b>	<b>Q.8 B</b>
<b>Q.9. C</b>	<b>Q.10.A</b>	<b>Q.11. C</b>	<b>Q.12 B</b>
<b>Q.13. B</b>	<b>Q.14. B</b>	<b>Q.15. C</b>	<b>Q.16. Bar graph</b>
<b>Q.17. Arithmetic mean</b>	<b>Q.18. Median</b>	<b>Q.19. One</b>	<b>Q.20. Range</b>
<b>Q.21.I) A</b>	<b>Q.21.II) A</b>	<b>Q.21.III) C</b>	<b>Q.21.IV) A</b>
<b>Q.21.V) C</b>			

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