

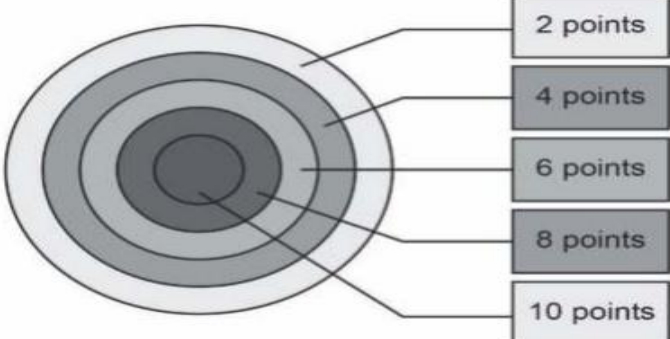
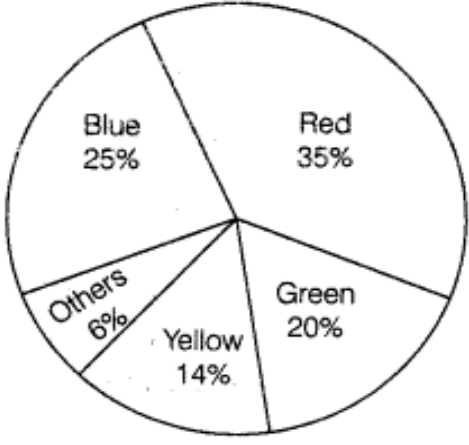
INDIAN SCHOOL AL WADI AL KABIR

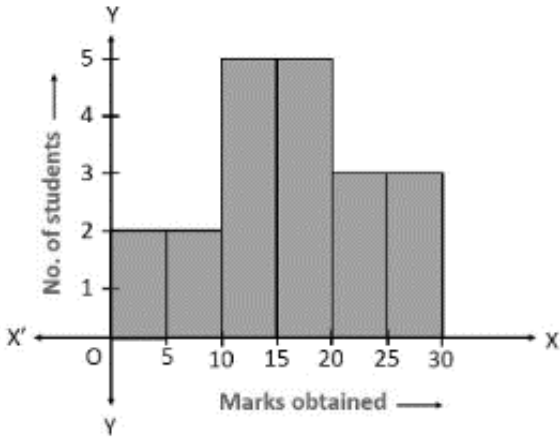
Class VIII, Mathematics

WORKSHEET- DATA HANDLING(MCQ&DTQ)

Multiple Choice questions

Q.1	In the class interval 175-200, the lower limit is:							
	A	125	B	175	C	200	D	25
Q.2	A pack of 52 cards is shuffled and a card is drawn without seeing. What is the probability that the card that appears is a spade:							
	A	$\frac{2}{13}$	B	$\frac{5}{13}$	C	$\frac{3}{13}$	D	$\frac{1}{13}$
Q.3	A die is thrown once. Find the probability of getting a number greater than 4.							
	A	$\frac{1}{6}$	B	$\frac{1}{3}$	C	$\frac{2}{3}$	D	$\frac{5}{6}$
Q.4	A class consists of 21 boys and 9 girls. A student is to be selected for social work. Find the probability that a girl is selected:							
	A	$\frac{3}{10}$	B	$\frac{3}{5}$	C	$\frac{9}{21}$	D	$\frac{7}{10}$
Q.5	A dice is rolled once. What is the probability that a number that will appear will be an even number:							
	A	$\frac{5}{6}$	B	$\frac{1}{2}$	C	$\frac{5}{36}$	D	$\frac{2}{5}$
Q.6	In a pie chart, the total angle at the centre of the circle is:							
	A	90°	B	180°	C	360°	D	120°
Q.7	A geometric representation showing the relationship between a whole and its parts, is a:							
	A	Pie-chart	B	Bar graph	C	Histogram	D	Pictograph
Q.8	Which of the following cannot be the probability of an event?							
	A	0	B	1	C	$\frac{1}{2}$	D	$\frac{5}{2}$
Q.9	Class size of the interval 220.5 – 246.5 is:							
	A	25	B	26	C	25.5	D	27

Q.10	In a pie-chart, the data is displayed as:							
	A	Segment	B	Radius	C	Sectors	D	Circumference
<p>Competency based Question:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>In an archery game, the points awarded for hitting a circular region on the board is shown in the figure below.</p>  </div>								
Q.11	What is the probability of getting 6 points in a single shot?							
	A	$\frac{1}{5}$	B	$\frac{2}{15}$	C	$\frac{6}{10}$	D	$\frac{2}{5}$
Q.12	What is his probability of scoring 6 or 8 points in the next two shots?							
	A	$\frac{1}{6}$	B	$\frac{1}{6}$	C	$\frac{1}{6}$	D	$\frac{7}{15}$
Q.13	What is the probability of getting 8 or 10 points in a single shot?							
	A	$\frac{3}{5}$	B	$\frac{2}{14}$	C	$\frac{6}{14}$	D	$\frac{8}{14}$
<p>Source based question:(CBQ) Observe the pie chart given below and answer the questions:</p>								

Q.14	Which colour received $\frac{1}{5}$ of the votes?							
	A	Red	B	Blue	C	Green	D	Yellow
Q.15	If 400 students voted in all, then how many did vote 'Others' colour as their favourite?							
	A	42	B	24	C	25	D	48
Q.16	What fraction of votes received by others?							
	A	$\frac{7}{20}$	B	$\frac{6}{15}$	C	$\frac{3}{5}$	D	$\frac{3}{50}$
<p>CASE STUDY</p> <p>Histogram given below shows analysis of students performance in Pre-Midterm exam.</p>  <p style="text-align: right;">Scale: 1 unit=1 student</p>								
Q.17	Find the total number of students surveyed?							
Q.18	How many students are there having marks more than 20 marks?							
Q.19	If the unit of Y-axis is 1 unit= 5 students, then find the number of students is having marks less than 10?							
Q.20	Check the number of students obtained marks in between 5 to 15 is more than the number of students obtained marks in between 20 to 30?							

ANSWERS

1.	B	2.	D	3.	B	4.	A
5.	B	6.	C	7.	A	8.	D
9.	B	10.	C	11.	A	12.	D
13.	A	14.	C	15.	B	16.	D
17.	20	18.	10	19.	20	20.	Yes