

## INDIAN SCHOOL AL WADI AL KABIR

## Class VIII, Mathematics Worksheet 2-with answers DATA HANDLING

<mark>07-12-2020</mark>

					OBJE	CTIVE TYPE	(1 Ma	rk)		
Q.1.	W	What is the upper limit of the class 225-250								
	A	225		В		25	C	250	D	50
Q.2.	A shows the relationship b				hip be	tween a who	ole and	d its part.		
	A	Frequen	Frequency <b>B</b>		Pie chart		С	Histogram	D	Ungrouped data
Q.3.	. Tally marks are used to find which of the following?						L			
	A	Frequen	су	В	upper limit		С	lower limit	D	Class marks
Q.4.	The width or size of the class interval 30-40 is:									
	A	30		В	40		С	10	D	70
Q.5.		Years		nbers orkers						
		1992 - 93		25						
		1993 - 94		18						
		1994 - 95		11						
		1995 - 96		30						
	Which class has the lowest frequency?									
	A	1993-94		В	1992	-93	С	1994-95	D	1995-96
Q.6.	W	Which of the following is the probability of sure event?								
	Α	0		В	1		С	10	D	2
Q.7.	<b>7.</b> A dice is thrown, the probability of getting number 5 is:									
	$\mathbf{A} \qquad \frac{1}{5}$		В		$\frac{1}{6}$	С	<u>5</u> 6	D	$\frac{4}{5}$	

Q.8.	In	In grouped data, each of the group is called:									
	A	Class interval	В	Collection of data	С	frequency	D	Grouped frequency distribution			
Q.9.	Th	The difference between the upper-class limit and lower-class limit of a class interval is called:									
	Α	width	В	frequency	С	histogram	D	event			
Q.10	If a	If a coin is tossed 20 times and tail appeared 5 times. what is the probability of getting a tail?									
	A	$\frac{2}{5}$	В	$\frac{1}{5}$	С	$\frac{1}{4}$	D	$\frac{5}{10}$			
	Fill in the blanks(1mark)										
Q11.	gives the number of times that a particular entry occurs in a frequency distribution table.										
Q12.	In	In the class interval, 10-20, 10 is called the									
Q13.	A Chocolate										
	The above pie chart shows the different types of ice-creams liked by the students of a school. If 1000 students were surveyed, how many students like vanilla ice cream?										
Q14.	Wł	What is the probability to get a vowel in the word 'mathematics'?									
Q15.	Wł	When two coins are tossed together. The possible outcomes are									
				SECTION B (2 n	narks	)					
Q16.	A survey conducted on the number of hours spent by students per week on reading. Answer the following questions:										

	<ul><li>a) Which class interval has maximum number of students?</li><li>b) How many students read more than 5 hours?</li></ul>									
Q17.	A spinning wheel with 6 green sectors, 2 blue sector and 2 red sector, what is the probability of getting a green sector? What is the probability of getting a blue sector?									
Q18.	8. A dice is rolled once. What is the probability that the number on the top will be									
	a) Even number? b) A number less than 5?									
Q19.	Weight of students (in kg.)	Number of students								
	30-40	6								
	40-50	17								
	50-60	13								
	60-70	4								
	<ul> <li>A frequency table is given that the weight of students in class VIII. Answer the following questions:</li> <li>1) Which class interval has the maximum number of students?</li> <li>2) What is the upper-class limit of third-class interval?</li> <li>3) What is the width of the class interval?</li> <li>4) Which class interval has the lowest frequency?</li> </ul>									
Q20.	Household expenditure OTHER FOOD 35° CLOTHES 120° 55° FOOD 55° TRANSPORT POWER LEISURE									
	Given pie chart shows Ajay's family expenditure in a month. If the expenditure on food is Rs. 300, What is the expenditure on transport?									
			SECTION C (4marks)							
Q21.	Prepare a group intervals as 50– 114, 108, 100, 9	100).	listribution table for the following data: (taking one of the class							
	109, 117, 119, 126, 131,									
	136, 143, 156, 169, 182,									
	195, 207, 219, 235, 118.									

Q22.	Maths 126° 108° 36° Social studies									
	A school has a strength of 7200 students. Observe the above histogram and answer the following question:									
	<ul> <li>a) What is the number of students interested in mathematics?</li> <li>b) How many students are interested in social studies?</li> <li>c) Which subject is liked by most of them?</li> <li>d) What is the number of students interested in languages?</li> </ul>									
Q23.	23. y y y y y y y y y y y y y									
	<ul> <li>Observe the above histogram and answer the following:</li> <li>a) If the pass mark is 20, how many students failed in the test?</li> <li>b) How many students secured marks between 30 and 50?</li> <li>c) How many students secured more than 80% marks?</li> <li>d) What is the number of students, who got less than 10 marks?</li> </ul>									
Q24.	The following data sh a pie chart for the fol		class VIII students in an art competition. Draw							
	GRADE	NUMBER OF STUDENTS								
	А	40								
	В	60								
	С	20								
	D	60								

Q25.	Draw a histogram for the following data:									
	Class interval 140-1		140-145	5	145-150	150-1	155 155-160	)	160-165	
	Fre	equency	8		12	18	10		5	
	Answers									
	1	250		2	Pie chart	3.	Frequency	4	10	
	5	1994 - 95		6	1	7	$\frac{1}{6}$	8	Class interval	
srs	9	width		10	$\frac{1}{4}$	11	Frequency	12	Lower class limit	
Answers	13	250		14	$\frac{4}{11}$	15	НН, НТ, ТН, ТТ	16	a)4-5 b) 8+6=14	
7	17	a)P(green)= $\frac{6}{10}$ = $\frac{3}{5}$ b)P(blue)= $\frac{2}{10}=\frac{1}{5}$		18	a) P(even) = $\frac{3}{6}$ = $\frac{1}{2}$ b) P(less than 5) = $\frac{4}{6} = \frac{2}{3}$	19	1) 40-50 2) 60 3) 10 4) 60-70	20	Rs. 125	
	22	a) 2520 b) 720 c) Math d) 1800	nematics	23	<ul> <li>a) 12+6=18</li> <li>b) 24+18=42</li> <li>c) 18</li> <li>d) 6</li> </ul>					

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