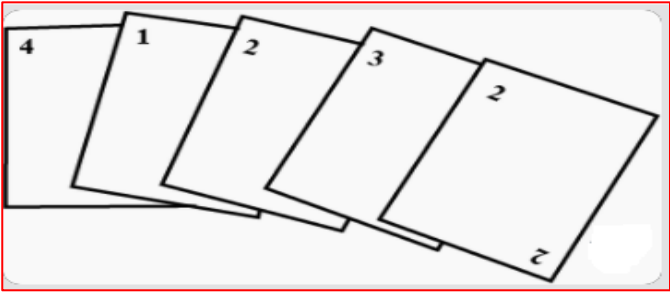
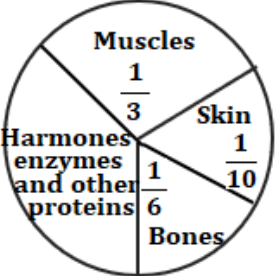
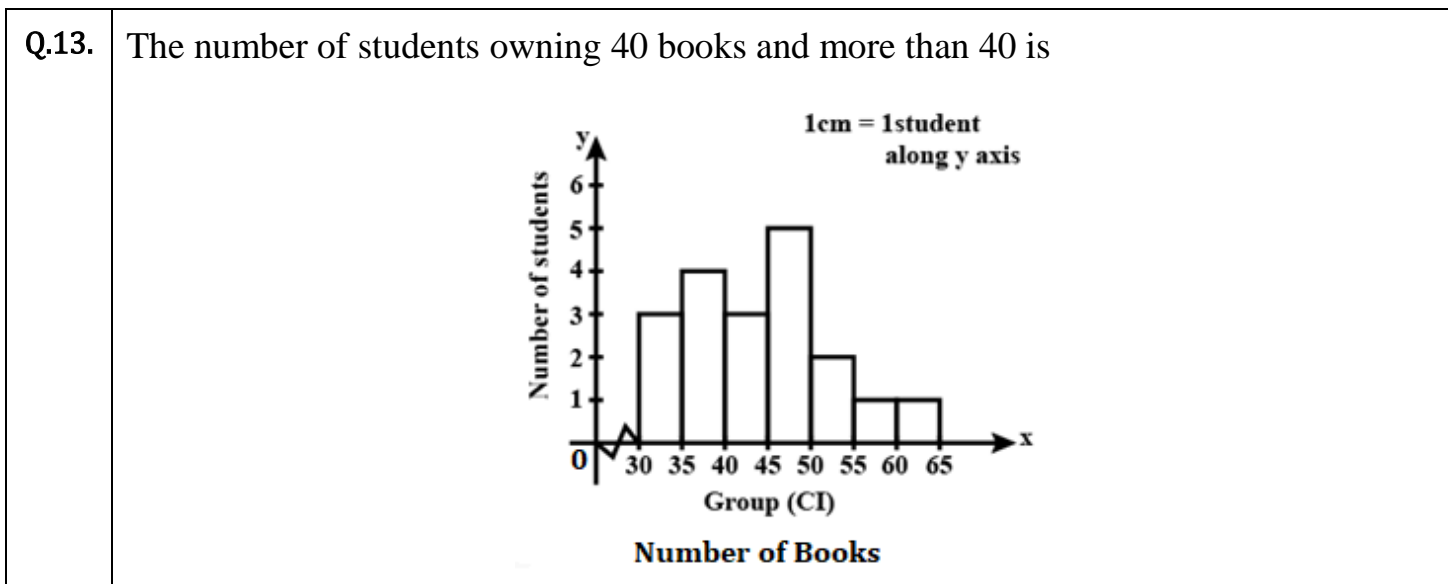


INDIAN SCHOOL AL WADI AL KABIR
Class VIII, Mathematics *Worksheet-DATA HANDLING*
29-08-2021

OBJECTIVE TYPE (1 Mark)

Q.1.	The central angle of the sectors in a pie chart will be a fraction of							
	A	270°	B	360°	C	180°	D	90°
Q.2.	The probability of getting a multiple of 2 when a dice is rolled is							
	A	$\frac{1}{6}$	B	$\frac{1}{3}$	C	$\frac{1}{2}$	D	$\frac{1}{5}$
Q.3.	The following data : 2, 5, 15, 25, 20, 12, 8, 7, 6, 16, 21, 17, 30, 32, 23, 40, 51, 15, 2, 9, 57, 19, 25 is grouped in the classes 0 –5, 5 –10, 10 –15 etc. Find the frequency of the class 20 –25.							
	A	5	B	4	C	2	D	3
Q.4.	What is the probability of choosing a vowel from the alphabets?							
	A	$\frac{21}{26}$	B	$\frac{5}{26}$	C	$\frac{1}{26}$	D	$\frac{3}{26}$
Q.5.	In a school, only 3 out of 5 students can participate in a competition. What is the probability of the students who do not make it to the competition?							
	A	0.4	B	0.6	C	0.45	D	0.65
Q.6.	The pie chart depicts the information of viewers watching different type of channels on TV. Which type of programmes are viewed the most?							
	A	News	B	Sports	C	Entertainment	D	Informative

Q.7.	In a frequency distribution with classes 0 –10, 10 –20 etc., the size of the class intervals is 10. The lower limit of fourth class is							
	A	40	B	50	C	20	D	30
Q.8.	A coin is tossed 200 times and head appeared 120 times. The probability of getting a head in this experiment is							
	A	$\frac{3}{5}$	B	$\frac{2}{5}$	C	$\frac{1}{2}$	D	$\frac{1}{5}$
Q.9.	Monthly salary of a person is Rs. 15000. The central angle of the sector representing his expenses on food and house rent on a pie chart is 60° . The amount he spends on food and house rent is							
	A	5000	B	6000	C	2500	D	9000
Q.10.	Rohan and Shanita are playing with 5 cards as shown in the figure. What is the probability of Rohan picking a card without seeing, that has the number 2 on it?							
								
	A	$\frac{2}{5}$	B	$\frac{1}{5}$	C	$\frac{4}{5}$	D	$\frac{5}{5}$
Q.11.	The following pie chart represents the distribution of proteins in parts of a human body. What is the ratio of distribution of proteins in the muscles to that of proteins in the bones?							
								
	A	3:1	B	1:2	C	1:3	D	2:1
Q.12.	The class size of the interval 80 – 85 is							
	A	80	B	5	C	85	D	10



A	12	B	9	C	7	D	5
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Q.14. In the class intervals 10 –20, 20 –30, etc., respectively, 20 lies in the class

A	0 –20	B	0 –30	C	10 –20	D	20 –30
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Q.15. In the class interval 26 – 33, 33 is

A	Size	B	Range	C	Upper limit	D	Lower limit
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Fill in the blanks (1mark)

Q.16. The difference between the upper and lower limit of a class interval is called the _____ of the class interval.

Q.17. In a histogram, class intervals and frequencies are taken along _____ axis and _____ axis.

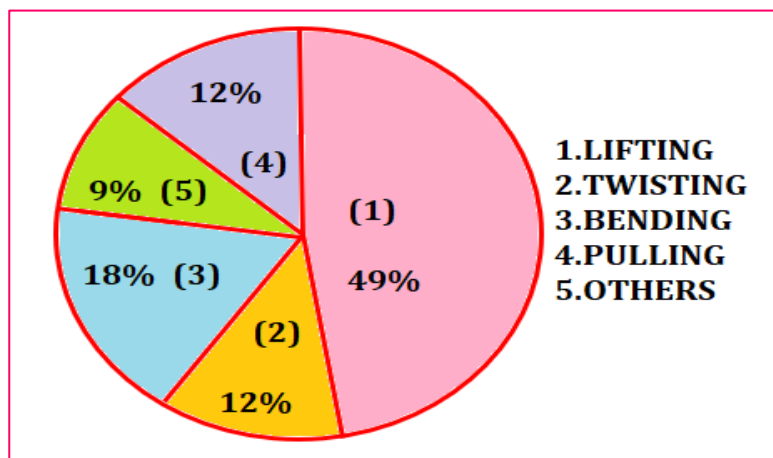
Q.18. Total number of outcomes, when a ball is drawn from a bag which contains 3 red, 5 black and 4 blue balls is _____ and the probability of getting a blue ball is _____.

Q.19. When a dice is thrown, outcomes 1, 2, 3, 4, 5, 6 are equally _____.

Q.20. The total number of outcomes when a coin is tossed is _____.

CASE STUDY QUESTION

Q.21. Given below is a pie chart depicting the reason given by people who had injured their lower back. Study the pie chart and find the number of people who injured their back while bending, lifting, twisting, pulling and by other reasons. A total of 600 people was taken for survey.



(i) What information is given in the pie chart?

A	People who injured their spinal cord	B	People who injured their knee	C	People who injured their lower back	D	People who injured their hand bones
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(ii) How many people injured their lower back by twisting?

A	60	B	25	C	50	D	72
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(iii) Find the ratio of number of people injured their lower back by bending and pulling?

A	3:2	B	2:3	C	1:2	D	2:1
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(iv) In this survey, what is the most common cause for back injury?

A	Twisting	B	Lifting	C	Bending	D	Pulling
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(v) How many people injured their lower back by other causes?

A	294	B	108	C	72	D	54
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Answers

Answers	1	B	2	C	3	D	4	B
	5	A	6	C	7	D	8	A
	9	C	10	A	11	D	12	B
	13	A	14	D	15	C	16	Width
	17	x-axis, y-axis	18	$12, \frac{1}{3}$	19	Likely event	20	2
	21	(i)C	21	(ii) D	21	(iii) A	21	(iv) B
	21	(v) D						