INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics

SUMMER HOLIDAY HOMEWORK (2022-23)

Department of Mathematics

Multiple Choice questions

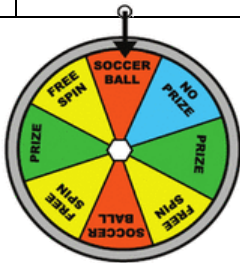| Q.1.	Which of the following pairs does not make a sum of (-5)?						
	A	$(-3, -2)$	**B**	$(-4, -1)$	**C**	$(-6, -1)$	**D**	$(-7, 2)$

Q.2.	If you choose a number at random below, what is the probability of picking an even number? 3, 12, 6, 9, 5, 14, 21, 7.						
	A	$\frac{5}{8}$	**B**	$\frac{1}{4}$	**C**	$\frac{1}{3}$	**D**	$\frac{3}{8}$

Q.3.	Which of the following is true?						
	A	$(-9) + (-5) =$ $(-9) - (-5)$	**B**	$(-9) + (-5) <$ $(-9) - (-5)$	**C**	$(-9) + (-5) >$ $(-9) - (-5)$	**D**	$(-9) + (-5) >$ $(9) - (-5)$

Q.4.		If you spin the wheel, what is the probability that the arrow will point to soccer ball?						
	A	$\frac{1}{2}$	**B**	$\frac{1}{4}$	**C**	$\frac{1}{3}$	**D**	$\frac{3}{4}$

Q.5.	A place is 75m above sea level and another place is 45m below sea level. What is the difference of level in meters between the two places.						
	A	-30m	**B**	120m	**C**	30m	**D**	-120m

FILL IN THE BLANKS

Q.6	The maximum temperature in (degree Celsius) for the first week of a month in Delhi are 37, 35, 36, 39, 36, 33 and 36. If the median and mode of the set of given observations are same, then the median is_____.
Q.7	The sum of two integers is (-125). If one of them is (-103), then the other is _____.
Q.8	The predecessor of the successor of (-31) is _____.

Q.9	There are 11 oranges, 6 apples, 9 bananas and 13 peaches on the table. The probability of picking an orange is _____.
Q.10	$(-86) + 42 - 53 + (-12) =$ _____.

LONG ANSWER TYPE QUESTIONS

Q.11	The following graph shows the number of visitors to a zoo in different months. Observe the graph and answer the following questions:

1. How many adult visitors visit the zoo in the month of July?

2. How many child visitors visit the zoo in the month of August?

3. How many child visitors visit the zoo in all 5 months?

4. In which month least number of adult visitors visit the zoo?

Q.12	The heights of five runners are 150 cm, 147 cm, 139 cm, 160 cm and 154 cm respectively. Find the mean height per runner.
Q.13	Find the median of first 15 odd numbers.
Q.14	Following are the margin of victory in the foot ball matches of a league. 1, 3, 2, 5, 1, 4, 6, 2, 5, 2, 2, 2, 4, 1, 2, 3, 2, 3, 2, 3, 1, 1, 2, 3, 2, 6, 4, 3, 2, 1, 1, 4, 2, 1, 5, 3, 4, 2, 1, 2. Find the mode using frequency table.
Q.15	Salaries of Naveen & Sam are ₹10,000 and ₹5000 per month. Their expenditures are given below. Show this data in a double bar graph.

Items	Food	Rent	Clothing	Education	Entertainment
Naveen	3000	2500	1500	2000	1000
Sam	2500	1000	500	700	200

ANSWERS

1.	C) (—6, —1)	**2.**	D) $\frac{3}{8}$	**3.**	B) $(-9) + (-5) >$ $(-9) - (-5)$	**4.**	$B)\ \frac{1}{4}$
5.	B) 120	**6.**	36	**7.**	(-22)	**8.**	-31
9.	$\frac{11}{39}$	**10.**	-109	**11.**	1. 250 2. 550 3. 2350 4. May	**12.**	150cm
13.	15	**14.**	2				