

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
SEPTEMBER ASSIGNMENT
CLASS- VI (MATHEMATICS)

SECTION –A (MULTIPLE CHOICE QUESTIONS)

1. Representation of data in the form of picture is called _____.
 (a) bar graph (b) pictograph (c) histogram (d) none of these
2. The number of points required to name a line is
 A. 1 B. 2 C. 3 D.4
3. Assertion (A): An angle which is greater than 90° but less than 180° is called an obtuse angle.
 Reason (R): A right angle is equal to 90° .
 (a) Both A and R are true, and R is the correct explanation of A
 (b) Both A and R are true, but R is not the correct explanation of A
 (c) A is true, but R is false
 (d) A is false, but R is true

SECTION – B(2 MARKS QUESTIONS)

4. Draw an angle XYZ of 135° using a protractor. Write its type, arms and vertices.
5. The following table shows the number of books read by students in one month:

Number of Books	0	1	2	3	4
Number of Students	5	8	12	9	6

Answer the following questions:






















 1. How many students read exactly 2 books?
 2. How many students did not read any book?

SECTION – C (3 MARKS QUESTIONS)

6. What is the measure of the angle between hour and minute hands of a clock at :
 a. 9 O' clock b. 5 O' clock
 Also tell the type of angles formed.
7. The number of fruits in a basket are given below:
 Mango – 5, Apple – 8, Orange – 7, Banana – 10
 Draw a pictograph using 🍌 (or any symbol) to represent 2 fruits.

SECTION – D (5 MARKS QUESTIONS)

8. Draw a rough figure and write labels appropriately to illustrate each of the following:
 a. \overrightarrow{OP} and \overrightarrow{OQ} meet at O.
 b. \overrightarrow{XY} and \overrightarrow{PQ} intersect at point M.
 c. Line ℓ contains points E and F but not point D.

	d. Point P lies on \overline{AB} .																					
9.	<p>The following data gives the number of children in 40 families:</p> <p>1, 2, 6, 5, 1, 5, 1, 3, 2, 6, 2, 3, 4, 2, 0, 0, 4, 4, 3, 2</p> <p>2, 0, 0, 1, 2, 2, 4, 3, 2, 1, 0, 5, 1, 2, 4, 3, 4, 1, 6, 2</p> <p>Represent it in the form of a frequency distribution.</p> <p>a) How many families have 3 children?</p> <p>b) How many families have 4 or more than 4 children?</p>																					
SECTION – E (CASE STUDY)																						
10.	<p>Mitali and her classmates were given to prepare a project report on the population of different states of India by their teacher. She took the information from the census of India 2021 about it. The following pictograph depicts the information about the areas in sq. km (to nearest hundred) of some districts of Chhattisgarh State</p> <table><tr><th>District</th><th>Area (in sq km)</th><th> = 1000 sq km</th></tr><tr><td>Rajgarh</td><td></td><td></td></tr><tr><td>Rajnandgaon</td><td></td><td></td></tr><tr><td>Koria</td><td></td><td></td></tr><tr><td>Mahasamund</td><td></td><td></td></tr><tr><td>Kabirdham</td><td></td><td></td></tr><tr><td>Jasphur</td><td></td><td></td></tr></table>	District	Area (in sq km)	 = 1000 sq km	Rajgarh			Rajnandgaon			Koria			Mahasamund			Kabirdham			Jasphur		
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<p>(a) What is the area of Koria district?</p> <p>(b) How many districts have area more than 5000 square kilometres?</p> <p>(c) What is the total area (in sq km) of Rajgarh and Jasphur?</p> <p>(d) What is the difference in area (in sq km) of Kabirdham and Mahasamund?</p>																						