

**B G S INTERNATIONAL PUBLIC SCHOOL**  
**SECTOR-5, DWARKA, NEW DELHI**

**Revision for CCE**

- 1) Write as an algebraic expression.
  - a) The sum of -9 and p
  - b) Three times the sum of 4 and -2q
  - c) Six added to 5 times a number
  - d) Eight times the sum of a number and five
  - e) Four times z subtracted from 4
- 2) Solve and find the value of the variable.
 

a) $x - 3 = 18$	(f) $4r + 9 = 45$
b) $3s = 90$	(g) $p - \frac{11}{2} = 16$
c) $3p - 11 = 1$	(h) $2x - 7 = 9$
d) $2q = 14$	(i) $1 - 8p = -7$
e) $9 - w = 34$	(j) $10z + 20 = 120$
- 3) Each equation has a unique solution. Find it.
  - a)  $2p - 7 = 5$  ( 4,8,6,9)
  - b)  $3x + 7 = 28$  (4,9,10,7)
  - c)  $9 - x = -1$  ( -9,10,-10,8)
  - d)  $5 - 6x = -1$  (1,-1,-2,2)
  - e)  $2x - 5 = 7$  (3,8,7,6)
- 4) Express as an algebraic expression.
  - a) Volume of a circle of side a
  - b) Perimeter of a rectangle of length x and breadth y.
  - c) Area of a rectangle of length x and breadth y
  - d) Area of a square of length m.
- 5) Draw a bar graph to represent the number of students who favor different fruits.

Fruits	Apple	Mango	Banana	Papaya	Grapes
Number of students	20	25	40	10	25

Scale 1 unit = 5 students.

- 6) Draw a bar graph for the birthdays of 46 students of class VI and answer the questions given below..

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
No. of B'days	8	3	2	6	5	3	3	4	4	0	5	3

- 1) Which month has the maximum number of b'days?
- 2) Which months have equal number of birthdays?
- 3) Which month has no b'days?

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4) Which month has the minimum number of birthdays?

7) Read the data given in the table.

Soap	Lux	Dove	Johnsons	Cinthol
User's	11	8	12	24

Draw a frequency table using tally marks for the data given.

8) Fill in the blanks.

- Collection of numbers gathered to give some information is called \_\_\_\_\_ .
- Tally marks are represented by \_\_\_\_\_.
- Representation of data through pictures of objects is called \_\_\_\_\_.
- Bars of uniform width drawn with equal spacing between them, where the length of each bar represents the given number is called a \_\_\_\_\_.
- An equation is a statement where the L.H.S is \_\_\_\_\_ to the R.H.S.

9) Read the pictograph and Answer the following questions.

Year	Wheat production in Haryana ( in lakh tonnes)
1976	25
1977	26
1978	30
1979	30
1980	35
1981	34
1982	40
1983	45
1985	50

- In which year was the production maximum?
- In which year was it minimum?
- Give the maximum and minimum production figures
- In which years did the production remain the same?
- Using a scale of 1 cm = 5 lakh tonnes, plot a bar graph for the given data?

10) Make algebraic expressions.

- Ravi has 10 more marbles than Ashok, who has  $s$  marbles.
- Salim is  $t$  years old. Meher is 5 years older than him.
- Yusuf is  $m$  cm tall. Raja is 15 cm taller than him.
- Rajesh earns  $y$  rupees. Shyam earns rupees 1500 more than him.

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e) Corbett is  $y$  years old. His sister is 6 years younger than him.