

DON BOSCO SCHOOL, KOKAR, RANCHI

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Class 6

Subject- Mathematics 2

Book-Visualising Mathematics 6
Cordova Publications

Introduction-

Arithmetic is the branch of mathematics in which we study numbers and the properties of fundamental operations between them -addition, subtraction, multiplication, and division.

Geometry is the branch of mathematics in which we study shapes and angles.

Now we begin the study of another branch of mathematics algebra in which letters and other general symbols are used to represent numbers and quantities.

Maths1-Arithmetics

Maths2-Algebra

Algebra means variable and constant

Variable means letters like a ,b ,c x,y,z etc

Constant means digital number like 1,2,3,4,5,6,...

Now onwards the mathematics will be comprised of three things like Arithmetics, Geometry ,and Algebra

Maths1-You will have mathematics

Maths2-You will have algebra and geometry.

Chapter11 , Algebra

Exercise 11.1

Q1. Write the following using numbers literals and signs of basic operations

a. One sixth of sum of a and b

Ans- $\frac{1}{6}(a+b)$

b One third of X taken away from one fifth of y

Ans. $\frac{1}{5}y - \frac{1}{3}x$

c. 8 more than 3 times x

Ans. $3x+8$

d. The product of X and 4 subtracted from the sum of y and 7

Ans. $(y+7)-(4x)$

e. 3 less than 8 times p

Ans. $8p-3$

f. 3 times x divided by 2 times y

Ans. $\frac{3x}{2y}$ or $3x \div 2y$.

g. 7 times y subtracted from 50.

Ans. $50-7y$

.h. 4 times x taken away from 3.

Ans. $3-4x$

l. 8 times x decreased from 10 times y.

Ans. $10y-8x$

j. 13 subtracted from thrice x.

Ans. $3x-13$

k. 6 multiplied by decreased by 7.

Ans. $6x-7$
