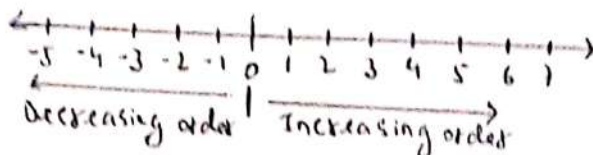


STD - VII - MATHS

CHPT- 1 [INTEGERS]

Number line



Addition and Subtraction of Integers

- eg. i)  $40 + 30 = 70$  (ii)  $-40 - 30 = -70$  (iii)  $-40 + 30 = -10$   
(iv)  $40 - 30 = 10$   
(v)  $(-40) + (-30)$  (vi)  $(-40) - (-30)$   
 $\Rightarrow -40 - 30 = -70$   $\Rightarrow -40 + 30 = -10$

Symbol used Increase means + (PLUS)  
Decrease/Down/Less means - (MINUS)  
Sum means +

Multiplication of Integers

eg

$$\begin{aligned} 5 \times 5 &= 25 \\ -5 \times 5 &= -25 \\ 5 \times (-5) &= -25 \\ -5 \times (-5) &= 25 \end{aligned}$$

Division of Integers

eg.  $6 \div 2 = 3$   
 $-6 \div 2 = -3$   
 $6 \div (-2) = -3$   
 $-6 \div (-2) = 3$

HOME WORK (IN SCHOOL COPY)

- Ex 1.1  $\rightarrow$  Q - 1, 2, 4, 5  
Ex 1.2  $\rightarrow$  Q - 1, 3, 4, 6 (iii), (iv), 7 (iii) (v), 9  
Ex 1.3  $\rightarrow$  Q - 1 (iii) (v) (vii) (ix) (x), 2 (ii), 7, 9  
Ex 1.4  $\rightarrow$  Q - 1 (vii) (viii) (ix) (x), 4, 5, 7  
Revision Exercise  $\rightarrow$  Q - 12, 13, 14, 15.