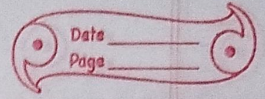


HW
22.07.2021

Ch-18



Fundamental Concepts

Ex-18 A

- i) Ans- The sum of 8 and x is equal to y in algebraic form is written as, $8+x=y$
- ii) x decreased by 5 is equal to y in algebraic form is written as, ~~$8+x=y$~~ $x-5=y$
- iii) The sum of 2 and x is greater than y in algebraic form is written as,
 $2+x > y$
- iv) The sum of x and y is less than 24 in algebraic form is written as, $x+y < 24$
- v) 15 multiplied by m gives 30 in algebraic form is written as, $15 \times m = 30$
- vi) Product of 8 and y is equal to $3x$ in algebraic form is written as,
 $8 \times y = 3x$
- vii) 30 divided by 6 is equal to y in algebraic form is written as, $30 \div 6 = y$
- viii) z decreased by $3x$ is equal to y in algebraic form is as, $z-3x=y$
- ix) 12 times of x is equal to 52 in algebraic form is written as, $12x=52$

i) 12 times of x is greater than 52
is in algebraic form is written
as, $12x > 52$

ii) 12 times of x is less than 52 in
algebraic form is written as, $12x < 52$

iii) 32 subtracted from 45 is equal
to y in algebraic form is written
as, $45 - 32 = y$

iv) 8x divided by y is equal to 22 in
algebraic form is written as, $8x \div y = 22$

v) 7y subtracted from 5x gives 82
in algebraic form is written
as, $5x - 7y = 82$

vi) 7y decreased by 5x gives 82 in
algebraic form is written as,
 $7y - 5x = 82$

Q1) The algebraic expression $3x + 8 = 15$
in words is expressed as,
3x plus 8 is equal to 15

ii) The algebraic expression $7 - y > x$
in words is expressed as, 7 decreased
by y is greater than x

iii) The algebraic expression $2y - 8 < 12$ in words is expressed as, $2y$ decreased by 8 is less than 12

iv) The algebraic expression $5 \div x = 7$ in words is expressed as, 5 divided by x is equal to 7

v) The algebraic expression $a + 26 > 18$ in words is expressed as, a increased by 26 is greater than 18

vi) The algebraic expression $2x - 3y = 16$ in words is written as, $2x$ decreased by $3y$ is equal to 16 .

vii) The algebraic expression $3a - 46 > 14$ in words is written as, $3a$ decreased by 46 is greater than 14

viii) The algebraic expression $6 + 7a < 21$ in words is written as, 6 increased by $7a$ is less than 21

ix) ~~The~~ The sum of the algebraic expression $(16 + 2a) - x > 25$ in words is written as, The sum of 16 and $2a$ decreased by x is greater than 25 .

x) The algebraic expression $(3x + 12) - y < 3a$ in words is written as, The sum of $3x$ and 12 decreased by y is less than $3a$