

THEME - 3

Chapter: 18 (fundamental concepts)

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Exercise - 18(A)

i) The sum of 8 and x is equal to y. $8 + x = y$

ii) x decreased by 5 is equal to y. $x - 5 = y$

iii) The sum of 2 and x is greater than y.
 $2 + x > y$

iv) The sum of x and y is less than 24.
 $x + y < 24$

v) 15 multiplied by m gives 3n. $15m = 3n$

vi) Product of 8 and y is equal to 3x.
 $8y = 3x$

vii) 30 divided by b is equal to p. $30/b = p$

viii) z decreased by 3x is equal to y.
 $z - 3x = y$

ix) 12 times of x is equal to 5z. $12x = 5z$

x) 12 times of x is greater than 5z.
 $12x > 5z$

xi) 12 times of x is less than 5z.
 $12x < 5z$

xii) 3z subtracted from 45 is equal to y.
 $45 - 3z = y$

xiii) $8x$ divided by y is equal to $2z$
 $8x/y = 2z$

xiv) $7y$ subtracted from $5x$ gives $8z$
 $5x - 7y = 8z$

xv) $7y$ decreased by $5x$ gives $8z$.
 $7y - 5x = 8z$

2. i) $3x + 8 = 15$. $3x$ plus 8 is equal to 15 .

ii) $7 - y > x$ = 7 decreased by y is greater than x

iii) $2y - x < 12$ = $2y$ decreased by x is less than 12

iv) $5 \div z = 5$ = 5 divided by z is equal to 5

v) $a + 2b > 18$, a increased by $2b$ is greater than 18 .

vi) $2x - 3y = 16$ = $2x$ decreased by $3y$ is equal to 16

vii) $3a - 4b > 14$ = $3a$ decreased by $4b$ is greater than 14 .

viii) $b + 7a < 21$ b increased by $7a$ is less than 21