

Ex - 1A

1. Fill in the blanks:

(i) $5+4 = \underline{9}$ and $5x+4x = \underline{9x}$

(ii) $12+18 = \underline{30}$ and $12x^2y+18x^2y = \underline{30x^2y}$

(iii) $7+16 = \underline{23}$ and $7a+16b = \underline{7a+16b}$

(iv) $1+3 = \underline{4}$ and $x^2y+3xy^2 = \underline{x^2y+3xy^2}$

(v) $7-9 = \underline{-2}$ and $7ab-9ab = \underline{-2ab}$

(vi) $12-5 = \underline{7}$ and $12x-5y = \underline{12x-5y}$

(vii) $35-16 = \underline{19}$ and $3ab-16ba = \underline{3ab-16ba}$

(viii) $28-13 = \underline{15}$ and $128ax^2-120x^2a = \underline{8ax^2}$

2. Fill in the blanks

(i) The sum of -2 and $-5 = \underline{-7}$ and the sum of

(ii) The sum $-2x$ and $-5x = \underline{-7x}$

(iii) The sum of 8 and $-3 = \underline{5}$ and the sum of $8a$
and $-3ab = \underline{8a-3ab}$

(iv) The sum of -5 and $-4 = \underline{-9}$ and the sum of $-5x$
and $-4y = \underline{-5x-4y}$



Q11 $15 + 18 + 21 + 24$ and $15 + 18 + 21 + 24 + 27 + 30 + 33 + 36$

Q12 $17 + 115 + 113 + 111 + 109 + 107 + 105 + 103 + 101 + 99 + 97 + 95 + 93 + 91 + 89 + 87 + 85 + 83 + 81 + 79 + 77 + 75 + 73 + 71 + 69 + 67 + 65 + 63 + 61 + 59 + 57 + 55 + 53 + 51 + 49 + 47 + 45 + 43 + 41 + 39 + 37 + 35 + 33 + 31 + 29 + 27 + 25 + 23 + 21 + 19 + 17 + 15 + 13 + 11 + 9 + 7 + 5 + 3 + 1$

$100 + 100 + 100 + 100 = 400$

Q13 $26 - 7 - 9 = 9$ and $25 - 17 - 12 - 11 - 10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1$

$= 9 + 9$

Q14 $1 - 6 = 5$, -11 and $100 - 900 - 600 - 500 = -1000$

1000

Add

Q15 $8xy$ and $3xy$

$= 8xy + 3xy$

$= 11xy$

Q16 $2xy^2$, $1xy^2$ and $6xy^2$

$= 2xy^2 + 1xy^2 + 6xy^2$

$= 9xy^2$

Q17 $2a$, $3a$ and $4a$

$= 2a + 3a + 4a$

$= 9a$

Q18 $3x$ and $2y$

$= 3x + 2y$

||

$$(v) 5m, 3n \text{ and } 7p \\ = 5m + 3n + 7p$$

$$(vi) 6a, 3a + 9ab \\ = 6a + 3a + 9ab \\ = 9a + 9ab$$

$$(vii) 3p, 4q \text{ and } 7q \\ = 3p + 4q + 7q \\ = 3p + 11q$$

$$(viii) 5ab, 4ba \text{ and } 6b \\ = 5ab + 4ba + 6b$$

$$(ix) 5opq, 3opq \text{ and } 10pq \\ = 5opq + 3opq + 10pq \\ = 5opq + 3opq = 8opq + 10pq$$

$$(x) -2y, -y \text{ and } -3y \\ = -2y - 1y + -3y \\ = -3y$$

$$(xi) -3b \text{ and } +b \\ = -3b + 1b \\ = -2b$$

$$(xii) 5b, -4b + -10b \\ = 5b - 4b + -10b \\ = -9b$$

4. Evaluate

$$(i) 6a - a, -5a - 2a \quad (ii) 2b - 3b - 6 + 4b$$

$$= 6a - 8a$$

$$= 6b - 4b$$

$$= -2a$$

$$= 2b$$

$$(iii) 3x - 2x - 4x + 7x \quad (iv) 5ab + 2ab - 6ab + 9ab$$

$$= 10x - 6x$$

$$= 8ab - 6ab$$

$$= 4x$$

$$= 2ab$$

$$(v) 8x - 5y - 3x + 6y$$

$$= 5x + 5y$$

5

5. Evaluate

$$(i) -7x + 9x + 2x - 2x \quad (ii) 5ab - 2ab - 8ab + 6ab$$

$$= -7x + 11x$$

$$= 9ab - 10ab$$

$$= 4x$$

$$= -1ab$$

