

SIGNED NUMBERS AND LIKE TERMSEXERCISESEXERCISE A - SIGNED NUMBERS

Work out the following

- | | |
|--------------|----------------|
| 1) $+5 + 1$ | 11) $-8 + 8$ |
| 2) $+6 - 2$ | 12) $+7 - 1$ |
| 3) $+4 - 8$ | 13) $+1 - 7$ |
| 4) $-5 + 5$ | 14) $-4 + 10$ |
| 5) $-3 - 3$ | 15) $-6 - 8$ |
| 6) $-1 + 7$ | 16) $+2 - 9$ |
| 7) $+4 - 4$ | 17) $+23 - 14$ |
| 8) $-2 + 9$ | 18) $-14 + 23$ |
| 9) $-7 - 3$ | 19) $-14 - 23$ |
| 10) $+6 + 6$ | 20) $-23 + 14$ |

SIGNED NUMBERS AND LIKE TERMSEXERCISESEXERCISE A - SOLUTIONS

1) $+5 + 1 = +6$

2) $+6 - 2 = +4$

3) $+4 - 8 = -4$

4) $-5 + 5 = 0$

5) $-3 - 3 = -6$

6) $-1 + 7 = +6$

7) $+4 - 4 = 0$

8) $-2 + 9 = +7$

9) $-7 - 3 = -10$

10) $+6 + 6 = +12$

11) $-8 + 8 = 0$

12) $+7 - 1 = +6$

13) $+1 - 7 = -6$

14) $-4 + 10 = +6$

15) $-6 - 8 = -14$

16) $+2 - 9 = -7$

17) $+23 - 14 = +9$

18) $-14 + 23 = +9$

19) $-14 - 23 = -37$

20) $-23 + 14 = -9$

EXERCISE B - LIKE TERMS

Simplify the following by collecting like terms together.

- 1) $3m + 2n + 3m + 2n$
- 2) $8x - 3y + 2x + 5y$
- 3) $5p - 3q - p - 2q$
- 4) $8x + 3 + 5x - 7$
- 5) $-2c + 4d + 5c - 4d$
- 6) $2hk + 5pq + 3hk - pq$
- 7) $2xy + 3yx$
- 8) $5x^2 - 3y^2 + 2x^2 - y^2$
- 9) $7p^2 + 5pq + p^2 - pq$
- 10) $2p + 3q + 4r - p - 2q - 3r$

SIGNED NUMBERS AND LIKE TERMSEXERCISESEXERCISE B - SOLUTIONS

- 1) $3m + 2n + 3m + 2n = 6m + 4n$
- 2) $8x - 3y + 2x + 5y = 10x + 2y$
- 3) $5p - 3q - p - 2q = 4p - 5q$
- 4) $8x + 3 + 5x - 7 = 13x - 4$
- 5) $-2c + 4d + 5c - 4d = 3c$
- 6) $2hk + 5pq + 3hk - pq = 5hk + 4pq$
- 7) $2xy + 3yx = 5xy$
- 8) $5x^2 - 3y^2 + 2x^2 - y^2 = 7x^2 - 4y^2$
- 9) $7p^2 + 5pq + p^2 - pq = 8p^2 + 4pq$
- 10) $2p + 3q + 4r - p - 2q - 3r = p + q + r$
