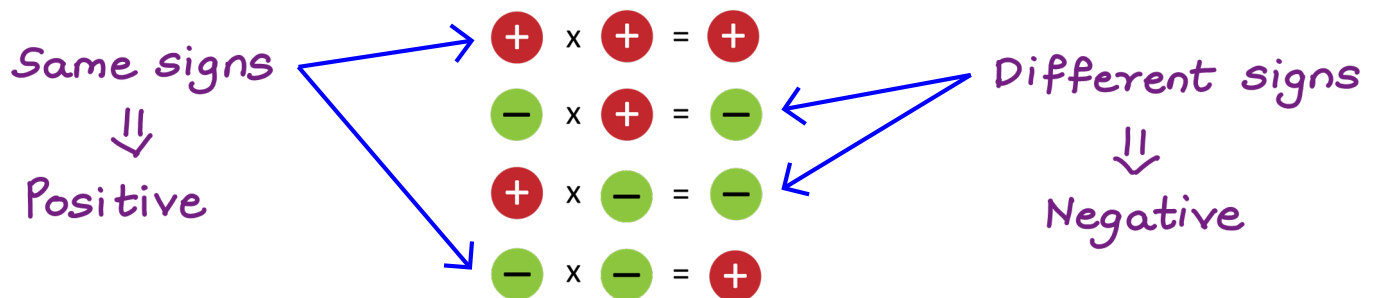


To Add/Subtract directed numbers

1. If two numbers have the same sign $\Rightarrow$ Add the numbers and keep the same sign
2. If two numbers have different signs $\Rightarrow$ Subtract the numbers and keep sign of the larger number

To Multiply/Divide directed numbers



5. Expand $5(2x + 7)$



.....
(1)

6. Expand $3(10 - 3y)$



.....
(1)

7. Expand $6(3 - 2x)$



.....
(1)

8. Expand $2(3w - 5y)$



.....
(1)

21. Expand and simplify $4(x - 1) + 3(2x + 5)$



.....
(2)

22. Expand $y(y^2 + 3)$



.....
(1)

23. Expand $2w(3w^2 - 5)$



.....
(2)

24. Expand $y^2(8 - 2y)$



.....
(2)

25. Expand $2x^2(7x + 3)$



.....
(2)

26. Expand $4x^2(2x - 5)$



.....
(2)

27. Expand $a(3a + 2ac)$



.....
(1)

28. Expand and simplify $7(x + 4) + 5(3 - 2x)$



.....
(2)

29. Simplify $19w - (5 - 4w)$



.....
(2)

30. Expand and simplify $2(7y - 3x) - 8(x - 4y)$



.....
(2)

31. Expand $w^5(w^4 + 3)$



.....
(2)

9. Expand and simplify $(4x + 1)(3x - 5)$



.....
(2)

10. Expand and simplify $(3x - 2)(2x + 3)$



.....
(2)

11. Expand and simplify $(5y - 1)(y - 2)$



.....
(2)

12. Expand and simplify $(7x - 20)(9x - 10)$



.....
(2)

13. Expand and simplify $(2x + 5)^2$



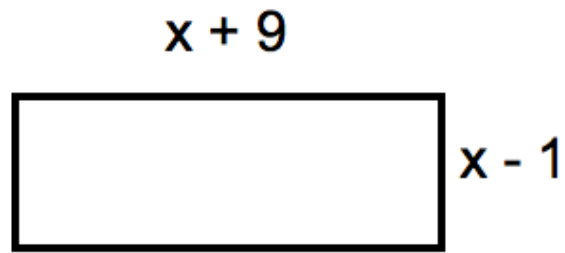
.....
(2)

14. Expand and simplify $(4x - 3)^2$



.....
(2)

15. A rectangle is shown below.



The length of the rectangle is $x + 9$ cm.

The width of the rectangle is $x - 1$ cm.

Form an expression for the area of the rectangle.