A Multiplicative String

Have a go at doing this sum in your head

$$3 \times 7 \times 2 \times 4 \times 5$$

Did you multiply from left to right?

A Multiplicative String

This is my suggestion…

$$3 \times 7 \times 2 \times 4 \times 5$$

$$(2 \times 5) \times ((3 \times 7) \times 4)$$

$$(10) \times ((21) \times 4)$$

$$(10) \times (84)$$

$$840$$

- Why have I done it like this?
- What do the brackets represent?

As you can see the order of multiplication doesn't matter but changing the order can make the calculation easier !

Odd One Out

In each of the four sets of expressions one is not the same as the rest can you find it?

- $(3x + 4y) + 2(x + 2y)$
- $4(2x + 5y) - 3(x + 4y)$
- $3(2x + 3y) - (x - y)$
- $3(x + 3y) + (2x - y)$

- $(x + 3)(x + 7)$
- $x(x + 3) + 7(x + 3)$
- $x(x + 2) + 7(x + 2) + x + 7$
- $x(x + 4) + 6(x + 3)$

- $x(x + 3) + 3(x + 5)$
- $2(x + 4) + x(x + 4)$
- $(x + 3)^2 + 6$
- $x(x + 3) + 4(x + 3) + (x + 3)$

- $x(x - 6) - (-2x) - 2(x - 6)$
- $x(x - 6) + 2(x - 6)$
- $x(x - 2) - 2(x - 2) - 2(x - 4)$
- $(x - 3)^2 + 3$

Odd One Out - Solutions

In each of the four sets of expressions one is not the same as the rest can you find it?

- $(3x + 4y) + 2(x + 2y)$
- $4(2x + 5y) - 3(x + 4y)$
- $3(2x + 3y) - (x - y)$
- $3(x + 3y) + (2x - y)$

- $(x + 3)(x + 7)$
- $x(x + 3) + 7(x + 3)$
- $x(x + 2) + 7(x + 2) + x + 7$
- $x(x + 4) + 6(x + 3)$

- $x(x + 3) + 3(x + 5)$
- $2(x + 4) + x(x + 4)$
- $(x + 3)^2 + 6$
- $x(x + 3) + 4(x + 3) + (x + 3)$

- $x(x - 6) - (-2x) - 2(x - 6)$
- $x(x - 6) + 2(x - 6)$
- $x(x - 2) - 2(x - 2) - 2(x - 4)$
- $(x - 3)^2 + 3$