03.04.20 **Y3 Maths – multiplying 3 numbers**

When multiplying 3 or more numbers, you can multiply them in any order so think carefully about how to make **all of** calculations as easy as you can.

$5 \times 3 \times 4 = 60$

Method 1)	Method 2)	Method 3)
$5 \times 3 = 15$	$5 \times 4 = 20$	$3 \times 4 = 12$
$10 \times 4 = 40$	$3 \times 2 = 6$ so	$12 \times 10 = 120$ so
$5 \times 4 = 20$	$3 \times 20 = 60$	$12 \times 5 = 60$

$40 + 20 = 60$

1. 6 x 2 x 4
2. 8 x 10 x 6
3. 4 x 9 x 5

4. 4 x 2 x 30
5. 3 x 50 x 3
6. 60 x 2 x 4

7. 24 x 5 x 2
8. 2 x 85 x 3
9. 32 x 3 x 4

Challenge:

Viv, Alex and Ria are trying to work out 43 x 2 x 5.

Viv says she would work out 43 x 2 and then x 5.

Alex says he would work out 43 x 5 and then x 2.

Ria says she would work out 2 x 5 and then x 43.

Whose method is easiest? explain.