**04.02.21**

**Can I multiply 3 numbers together efficiently?**

Use the most efficient method to multiply these numbers together

PLEASE SHOW YOUR WORKING OUT

Example: 5 x 7 x 2

 5 x 2 = 10 10 x 7 = 70

This is more efficient than 5 x 7 = 35, then doubling

Remember, you do not need to do the multiplication in the order it has been given!

1. 3 x 2 x 4

2. 2 x 3 x 5

3. 3 x 2 x 3

3. 3 x 6 x 9

4. 2 x 3 x 8

5. 3 x 5 x 3

6. 4 x 4 x 3

7. 2 x 8 x 2

8. 7 x 3 x 3

9. 10 x 7 x 3

10. 2 x 8 x 4

11. 8 x 3 x 2

12. 2 x 6 x 5

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**Can I double one factor and halve the other to multiply efficiently?**

Example: 22 x 6

 11 x 12 = 132

1. 4 x 14

2. 3 x 16

3. 16 x 5

4. 5 x 46

5. 4 x 22

6. 12 x 15

7. 18 x 6

8. 4 x 16

9. 35 x 20

10. 8 x 15

11. 120 x 5

12. 28 x 5