

3.4.2020

L.O. multiply 3 numbers

Can you think of the most efficient order in which to multiply three single digit numbers?

$$\begin{array}{c} 10 \\ \text{---} \\ 2 \times 7 \times 5 = \end{array}$$

If we multiply 2×5 first we get the product 10. We can then easily and efficiently multiply 10 by 7 to get our answer!

Can you think of the most efficient order in which to multiply three single digit numbers?

$$3 \times 5 \times 5 =$$

Can you think of the most efficient order in which to multiply three single digit numbers?

$$3 \times 2 \times 6 =$$

Solve the calculation below:

$$8 \times 7 \times 0 =$$

$$2 \times \square \times 2 = 36$$


$$x \times 2 \times x \times 5 = 70$$

Tom records this in his maths book:

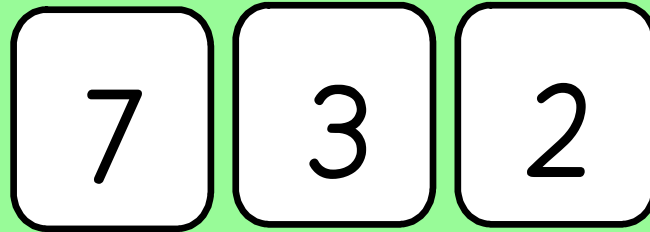
$$6 \times 3 \times 5 > 3 \times 5 \times 6$$

He says,

6 x 3 x 5 is larger because the first calculation starts with a 6 which is larger than the first number in the second calculation.

Do you agree with Tom?
Explain your reasoning.

Using the 3 single-digit cards below, arrange them to create a multiplication calculation and work out the answer.



$$\square \times \square \times \square = \square$$

Rearrange the cards to create 2 different calculations.
What do you notice about the three answers?