

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Multiplication is COMMUTATIVE

This means numbers can be multiplied in any order.

$$3 \times 10 \times 5 = 3 \times 5 \times 10$$

We can rearrange the order in which we multiply to make combinations that are easier to multiply.

Is it easier to solve $3 \times 10 \times 6$

or

Is it easier to solve $3 \times 6 \times 10$

Multiplication can be done in an order.

$$90 \times 4 =$$

$$9 \times 10 \times 4 = 9 \times 4 \times 10$$

$$36 \times 10 =$$

$$80 \times 6 =$$

$$\textcolor{red}{x \ 10 \ x} = \textcolor{red}{x \ x \ 10}$$

$$\textcolor{red}{x \ 10} =$$

$$50 \times 6 =$$

$$\textcolor{red}{x \ 10 \ x} = \textcolor{red}{x \ x \ 10}$$

$$\textcolor{red}{x \ 10} =$$

$$70 \times 7 =$$

$$\textcolor{red}{x \ 10 \ x} = \textcolor{red}{x \ x \ 10}$$

$$\textcolor{red}{x \ 10} =$$

$$30 \times 6 =$$

$$\textcolor{red}{x \ 10 \ x} = \textcolor{red}{x \ x \ 10}$$

$$\textcolor{red}{x \ 10} =$$

$$\textcolor{violet}{50} \times 7 =$$

Show your thinking.

$$\textcolor{violet}{80} \times 7 =$$

Show your thinking.

$$\textcolor{violet}{60} \times 9 =$$

Show your thinking.

$$\textcolor{violet}{40} \times 5 =$$

Show your thinking.

$$\textcolor{violet}{60} \times 9 =$$

Show your thinking.

$$\textcolor{violet}{9} \times 90 =$$

Show your thinking.

$$\textcolor{violet}{7} \times 80 =$$

Show your thinking.

$$\textcolor{violet}{40} \times 7 =$$

Show your thinking.