

Multiplying by 1, by 0, and by 10

Connect

- Marie made French crêpes for her friends.



She put 1 crêpe on each plate.
Marie used 6 plates.
How many crêpes did Marie make?

Think: 6 groups of 1 is 6×1 .

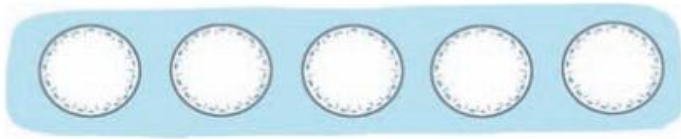
$$\begin{array}{rccccccc} 6 & \times & 1 & = & 6 \\ \text{plates} & & \text{crêpe} & & \text{crêpes} \\ & & & & \text{in all} \end{array}$$

Also, $1 \times 6 = 6$

When 1 is a factor,
the product is always
the other factor.



► Marie had 5 empty plates.



How many crêpes are on these plates?

Think: 5 groups of 0 is 5×0 .

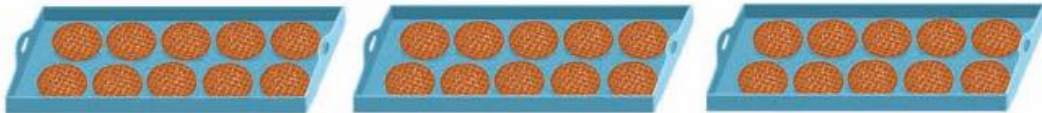
$$\begin{array}{ccccccc} 5 & \times & 0 & = & 0 \\ \text{plates} & & \text{crêpes} & & \text{crêpes} \\ & & & & \text{in all} \end{array}$$

Also, $0 \times 5 = 0$

When 0 is a factor, the product is always 0.



► Marie made many crêpes and served them on trays.



She put 10 crêpes on each tray.

Marie used 3 trays.

How many crêpes did Marie serve?

Think: 3 groups of 10 is 3×10 .

$$\begin{array}{ccccccc} 3 & \times & 10 & = & 30 \\ \text{trays} & & \text{crêpes} & & \text{crêpes} \\ & & & & \text{in all} \end{array}$$

Also, $10 \times 3 = 30$