



# Multiplication as repeated addition

Write how many.

There are  groups.

There are  in each group.

You can add.

You can multiply.



$$\boxed{2} + \boxed{2} + \boxed{2} = \boxed{6}$$

$$\boxed{3} \text{ twos} = \boxed{6}$$

$$\boxed{3} \times \boxed{2} = \boxed{6}$$

Write how many.



$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{\phantom{0}}$$

$$4 \text{ twos} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$\boxed{\phantom{0}} \text{ twos} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$\boxed{\phantom{0}} \text{ twos} = \boxed{\phantom{0}}$$



$$\boxed{3} + \boxed{3} = \boxed{\phantom{0}}$$

$$2 \text{ threes} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$\boxed{\phantom{0}} \text{ threes} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$\boxed{\phantom{0}} \text{ threes} = \boxed{\phantom{0}}$$

Write how many.



How many groups?

How many in each group?

Write as addition.

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Write as multiplication.

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



How many groups?

How many in each group?

Write as addition.

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Write as multiplication.

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$