



# 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.



$$2 + 2 + 2 + 2 = \boxed{\phantom{00}}$$

$$4 \text{ twos} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \text{ twos} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \text{ twos} = \boxed{\phantom{00}}$$



$$3 + 3 = \boxed{\phantom{00}}$$

$$2 \text{ threes} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \text{ threes} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \text{ threes} = \boxed{\phantom{00}}$$

Write how many.



How many groups?

How many in each group?

Write as addition.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Write as multiplication.

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



How many groups?

How many in each group?

Write as addition.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Write as multiplication.

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$