

# Diving into Mastery - Diving

## Adult Guidance with Question Prompts

Children use the multiplication symbol to write a sentence and a calculation to match the pictures.

Please note: In this activity,  $2 + 2 + 2 + 2 + 2 + 2 = 12$  will be written as  $2 \times 6 = 12$  and read as 'two multiplied by six'. This is different to the way White Rose Maths write the calculation ( $6 \times 2$ ) but has been written this way to match the way multiplication is written in the year 4 multiplication tables check.

How many are there in each group?

How many groups are there?

What does the ten represent?

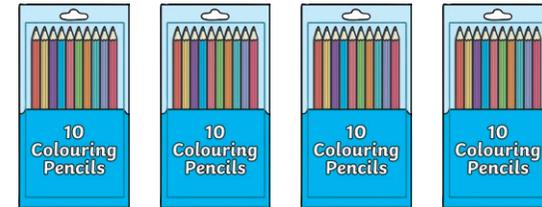
What does the four represent?

Can you count in twos/fives/tens to find the total?

## Multiplication Sentences from Pictures

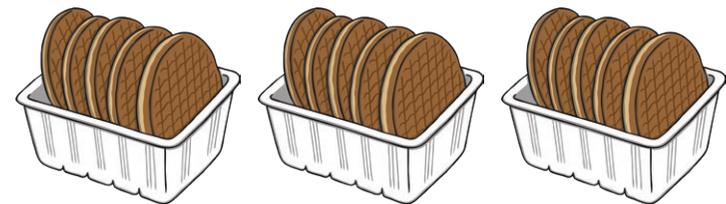


Complete these sentences.



\_\_\_\_\_ multiplied by \_\_\_\_\_ is equal to \_\_\_\_\_

\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_ multiplied by \_\_\_\_\_ is equal to \_\_\_\_\_

\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_ multiplied by \_\_\_\_\_ is equal to \_\_\_\_\_

\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

Can you draw your own picture and write a calculation to go with it?

# Diving into Mastery - Deeper

## Adult Guidance with Question Prompts

Children consider the different ways multiplication can be represented. They match the picture to the statements to find two statements that are not true.

Please note: In this activity,  $5 + 5 + 5 + 5$  will be written as  $5 \times 4$  and read as 'five multiplied by four'. This is different to the way White Rose Maths write the calculation ( $4 \times 5$ ) but has been written this way to match the way multiplication is written in the year 4 multiplication tables check.

How many stickers are in each group?

How many groups are there?

Does this picture represent  $5 \times 4$ ? Explain why.

Does the picture represent  $4 + 4 + 4$ ? Why not?

Which statements are true?

Which statements are false?

Convince me!

## Multiplication Sentences from Pictures



These statements represent this picture. Which ones are true and which are false?



$5 \times 4$

$5 + 5 + 5 + 5$

four 5s

four groups with five in each group

$4 + 4 + 4$

5 multiplied by 4

$3 \times 5$

# Diving into Mastery – Deepest

## Adult Guidance with Question Prompts

Children solve word problems by drawing pictures to find the total. They also make up their own pictures and stories to match given calculations.

Draw me a picture to match this problem.

Can you draw the plates?

Can you draw the biscuits?

Can you write a calculation?

What is the total?

What story could you tell to match this calculation?

Can you draw a picture to match? How many are in each group?  
How many groups are there?

Tell me the story.

## Multiplication Sentences from Pictures



Draw a picture to match each problem and find the answer.

There are four plates with two biscuits on each plate. How many biscuits are there in total?

There are ten sweets in a bag. There are three bags. How many sweets are there altogether?

A purse has five 5p coins in it. How much money is there in total?

Write a story and draw a picture for each calculation.

$$10 \times 2$$

$$2 \times 8$$

$$5 \times 6$$