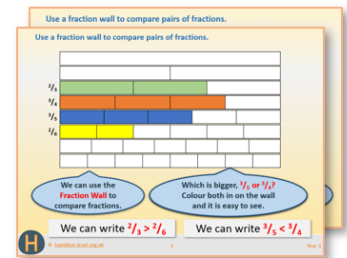


Week 6, Day 1

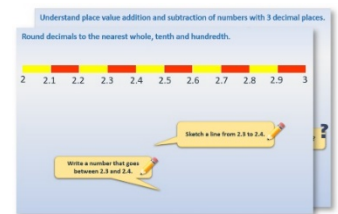
Multiplication

Each day covers one maths topic. It should take you about 1 hour or just a little more.

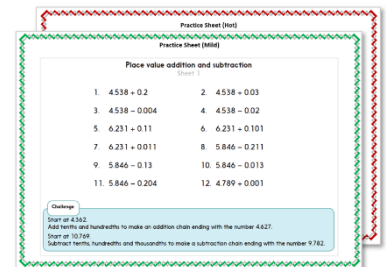
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



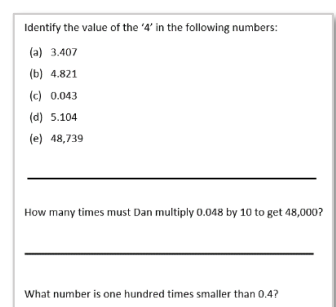
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Use multiplication sentences to describe an array and make links to division.



$$3 \times 5 = 15$$

What can you see?
How many rows?
How many in each row?
How many altogether?
What number sentence
could we write?



We can read this as 3 lots of 5,
or 3 times 5.

Learning Reminders

Use multiplication sentences to describe an array and make links to division.



$$5 \times 3 = 15$$

The array has been rotated.
How many in each row?
How many rows?
What number sentences
can we write?

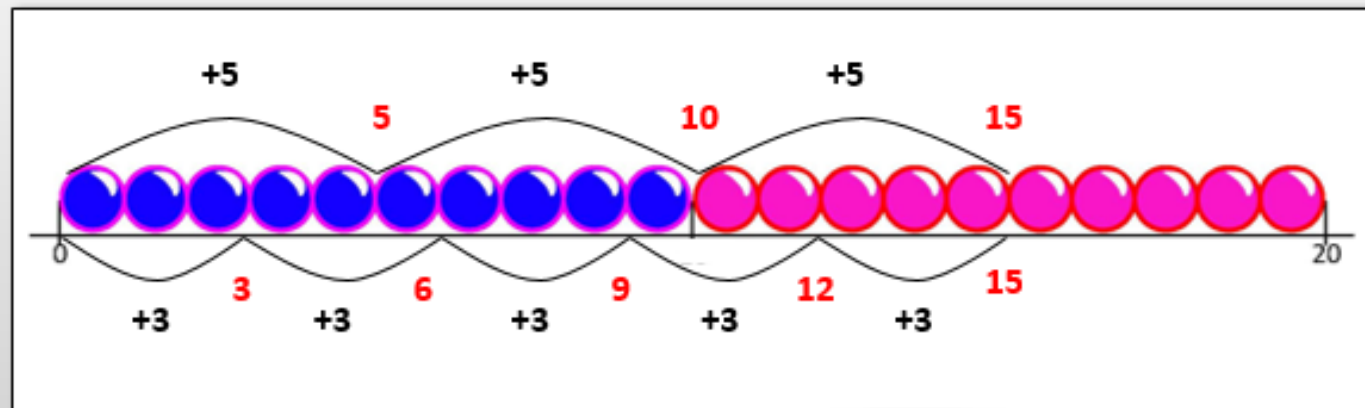


We can read this as 5 lots of 3,
or 5 times 3.

Learning Reminders

Use multiplication sentences to describe an array and make links to division.

3×5 and 5×3 have the same answer! Let's check back on the beaded line...



3 lots of 5 and 5 lots of 3 are the same, can you see why?

Practice Sheet Mild

Match the multiplication

Draw a line to the matching multiplication sentence for these arrays then write the matching multiplication sentence next to it.

$6 \times 4 = 24$



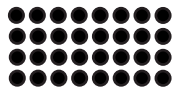
$7 \times 5 = 35$



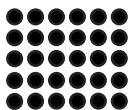
$5 \times 4 = 20$



$5 \times 6 = 30$



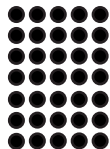
$8 \times 3 = 24$



$4 \times 8 = 32$



$4 \times 10 = 40$



$3 \times 9 = 27$



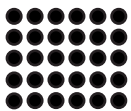
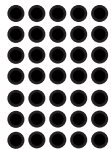
Challenge

For each array can you write another multiplication fact?

Practice Sheet Hot

Match the multiplication

Write the two multiplication sentences for each of these arrays.











Challenge

Choose two of the arrays and write a maths problem story for each.

Practice Sheets Answers









Match the multiplication (mild)

$6 \times 4 = 24$		$3 \times 9 = 27$
$7 \times 5 = 35$		$4 \times 10 = 40$
$5 \times 4 = 20$		$8 \times 3 = 24$
$5 \times 6 = 30$		$4 \times 8 = 32$
$8 \times 3 = 24$		$5 \times 6 = 30$
$4 \times 8 = 32$		$5 \times 4 = 20$
$4 \times 10 = 40$		$7 \times 5 = 35$
$3 \times 9 = 27$		$6 \times 4 = 24$

Challenge

$9 \times 3 = 27$
 $10 \times 4 = 40$
 $3 \times 8 = 24$
 $8 \times 4 = 32$
 $6 \times 5 = 30$
 $4 \times 5 = 20$
 $5 \times 7 = 35$
 $4 \times 6 = 24$

Match the multiplication (hot)

	$6 \times 4 = 24$	$4 \times 6 = 24$
	$7 \times 5 = 35$	$5 \times 7 = 35$
	$4 \times 5 = 20$	$5 \times 4 = 20$
	$5 \times 6 = 30$	$6 \times 5 = 30$
	$8 \times 3 = 24$	$3 \times 8 = 24$
	$4 \times 8 = 32$	$8 \times 4 = 32$
	$4 \times 10 = 40$	$10 \times 4 = 40$
	$3 \times 9 = 27$	$9 \times 3 = 27$

Challenge

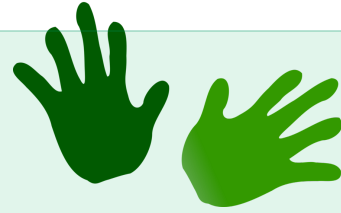
Accept any number stories which use the numbers given and would require a multiplication calculation to solve them.

A Bit Stuck? Clever counting

Work in pairs

Things you will need:

- Ten 10p coins
- 1-10 cards
- A pencil



What to do:

- Take a 1-10 card. Take that number of 10p coins.
- Count in 10s to find the total.
- Fill in a number sentence, lots of 10p is p.
- Put the coins back.
- Take another card and repeat as many times as you can.
- You score 10p for each correct answer! Count in 10s to find your total score.

<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p
<input type="text"/>	lots of 10p is	<input type="text"/>	p

S-t-r-e-t-c-h:

Write your own number sentences using the x sign, e.g. $7 \times 10p = 70p$.

Learning outcomes:

- I can count in 10s to 100.
- I am beginning to understand multiplication.
- I am beginning to use the multiplication sign.

A Bit Stuck?
Clever Counting

1

2

3

4

5

6

7

8

9

10

Check your understanding

Questions

The same number is missing from each number sentence.

What is it?

$$\square \times 3 = 15$$

$$1 \times \square = 5$$

$$30 = 6 \times \square$$

Write each addition as a multiplication.

Work out the total.

$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \square$$

$$\square = 2 + 2 + 2 + 2 + 2 + 2$$

$$10 + 10 + 10 + 10 = \square$$

-
- How many groups of 3 make 18?
 - How many groups of 6 make 12?
 - How many groups of 5 make 45?
-
-

Check your understanding

Answers

The same number is missing from each number sentence.

What is it? It is 5.

$$\square \times 3 = 15$$

$$1 \times \square = 5$$

$$30 = 6 \times \square$$

Write each addition as a multiplication.

Work out the total.

$$5 + 5 + 5 + 5 + 5 + 5 + 5 = 7 \times 5 = 35$$

$$12 = 2 + 2 + 2 + 2 + 2 + 2 = 6 \times 2 = 12$$

$$10 + 10 + 10 + 10 = 4 \times 10 = 40$$

-
- How many groups of 3 make 18? 6.
 - How many groups of 6 make 12? 2.
 - How many groups of 5 make 45? 9.

Do children count on or use multiplication facts?
