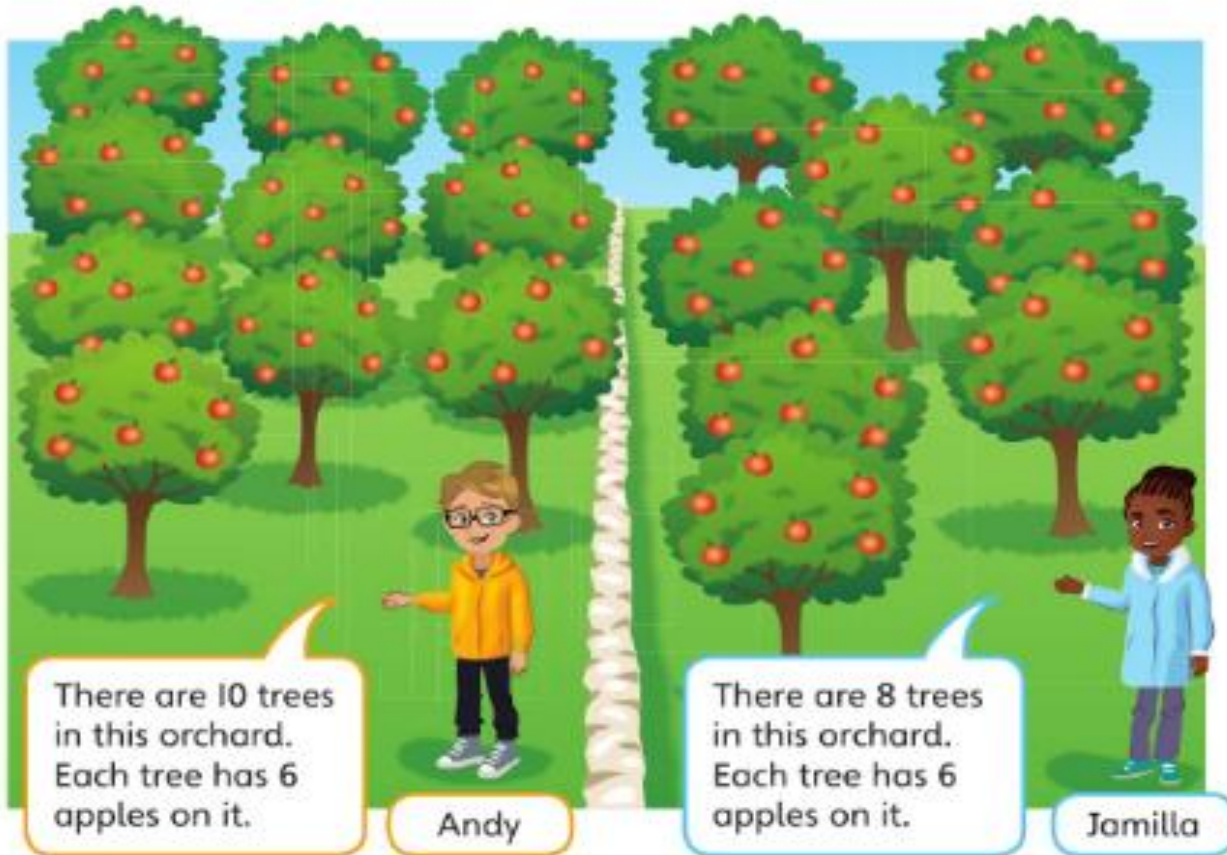


Tuesday - maths

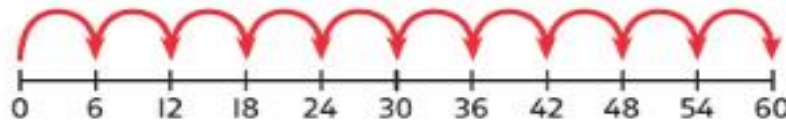
# Power up



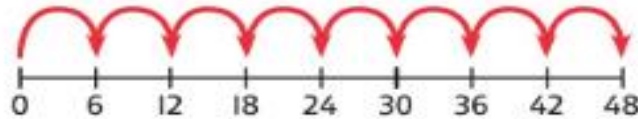
- 1** a) How many apples does each orchard have?
- b) How many apples are there in total?

# Power up answer

- a) There are 10 trees in Andy's orchard and 8 trees in Jamilla's orchard.  
Each tree has 6 apples.



$$10 \times 6 = 60$$



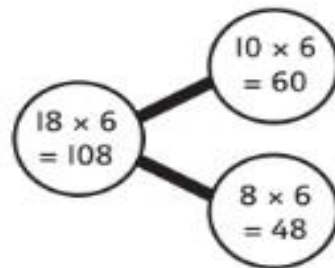
$$8 \times 6 = 48$$

Andy's orchard has 60 apples. Jamilla's orchard has 48 apples.

- b)  $60 + 48 = 108$

There are 108 apples in total.

I added the two answers together.



$$\begin{aligned} 18 \times 6 &= 10 \times 6 + 8 \times 6 \\ &= \underbrace{60} + \underbrace{48} \\ &= 108 \end{aligned}$$

I did  $18 \times 6$  to find the total. There are 18 trees in total and 6 apples in each tree.

There are 108 apples in total.

LO: To use a written method for multiplication

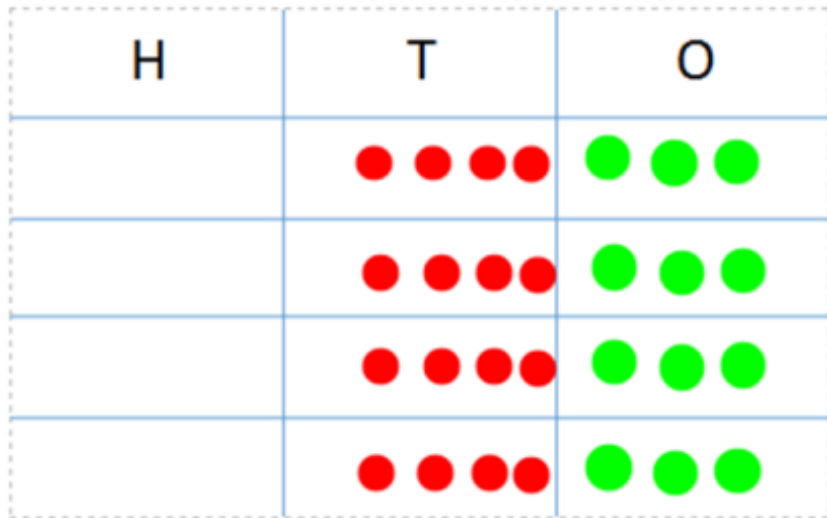
Today we are going to use our times table knowledge to complete multiplication questions using a written method.

Think what written method we might use?

# LO: To use a written method for multiplication

This is showing four rows of 43. **How do you know?** Each row shows 4 tens + 3 ones- this is  $40 + 3$ . So this would be written as

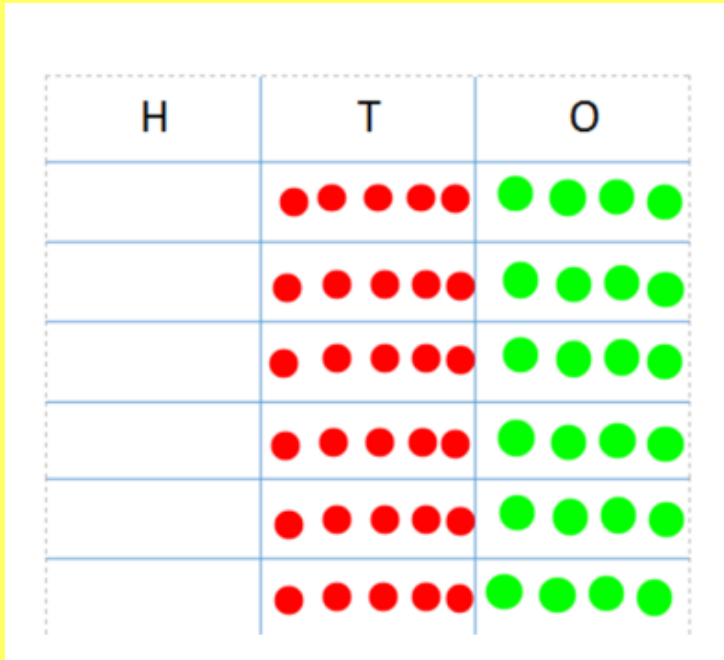
$$43 \times 4$$



	H	T	O
x			



# LO: To use a written method for multiplication - Answer



Each row shows 54  
There are 6 rows  
So this shows  $54 \times 6$

	H	T	O
x			







# LO: To use a written method for multiplication

## Success Criteria:

- Line up digits carefully
- Multiply ones
- Multiply tens
- Show numbers carried
- Remember to add in numbers carried

## Complete Fluency questions

H	T	O
	•••	•
	•••	•
	•••	•

	H	T	O
		3	1
x			3

H	T	O
	•••••	•••
	•••••	•••
	•••••	•••
	•••••	•••

	H	T	O
x			

H	T	O
	•••••	•••••
	•••••	•••••
	•••••	•••••
	•••••	•••••
	•••••	•••••
	•••••	•••••

	H	T	O
x			

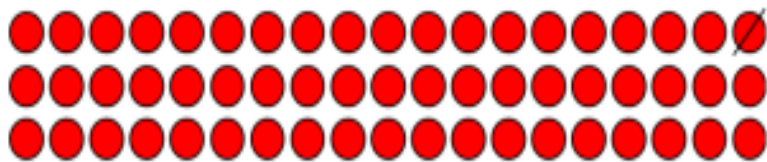
H	T	O
	•••••	•••••
	•••••	•••••
	•••••	•••••
	•••••	•••••

	H	T	O
x			

# LO: To use a written method for multiplication

## Complete Reasoning questions

Teddy has calculated  $19 \times 3$



$$20 \times 3 = 60$$

$$60 - 1 = 59$$

$$19 \times 3 = 59$$

Can you explain his mistake and correct the diagram?

## Complete Problem solving questions

Here are three number cards.

21

42

38

Dora, Annie and Eva choose one of the number cards each.

They multiply their number by 5

Dora says,

I did  $40 \times 5$  and then subtracted 2 lots of five.

Annie says,

I multiplied my number by 10 and then divided 210 by 2

Eva says,

I halved my 2-digit number and doubled 5 so I calculated  $21 \times 10$

Which number card did each child have?  
Would you have used a different method to multiply the numbers by 5?

# LO: To use a written method for multiplication

## Challenge questions

1)  $22 \times 3 =$

2)  $12 \times 4 =$

3)  $33 \times 3 =$

4)  $34 \times 5 =$

5)  $23 \times 6 =$

