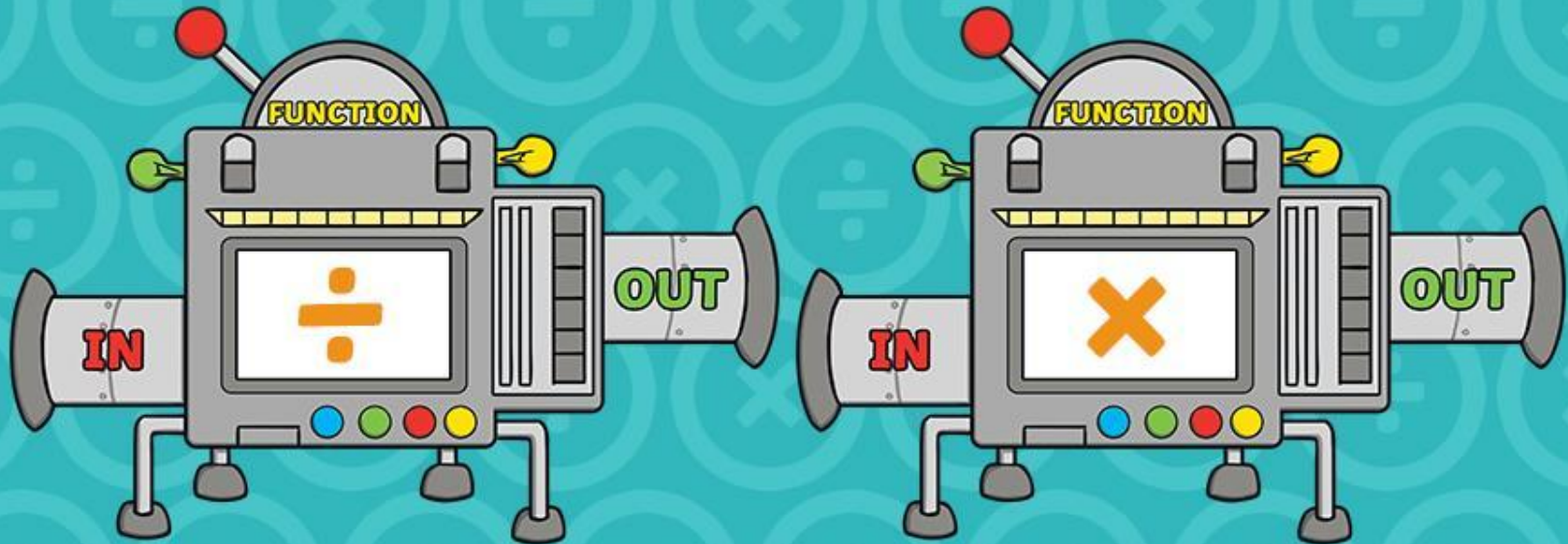




# Maths

Multiplication and Division

# Derek and Matilda



# Aim

- I can write multiplication and division sentences for the 2, 5 and 10 times tables.

# Success Criteria

- I can multiply and divide by 2, 5 and 10.
- I can interpret an array.
- I can use the  $\div$ ,  $\times$  and  $=$  symbols.

# Cross Numbers!



I am going to divide the class into two groups. One group will take the across clues and the other down clues. If you make a mistake, you miss a turn.

The first group to fill in all their clues is the winner.

1

2

3

# Cross Numbers!



Click a question number to reveal a clue. Click the orange square for the answer.

## Down

1	$7 \times 5 =$	<input type="checkbox"/>	2	half of 40 =	<input type="checkbox"/>
4	$10 \times 8 =$	<input type="checkbox"/>	6	$8 \times 5 =$	<input type="checkbox"/>
7	$9 \times 5 =$	<input type="checkbox"/>	10	double 50 =	<input type="checkbox"/>
11	half of 24 =	<input type="checkbox"/>	12	double 20 =	<input type="checkbox"/>
15	$8 \times 2 =$	<input type="checkbox"/>	17	$5 \times 10 =$	<input type="checkbox"/>
18	$5 \times 5 =$	<input type="checkbox"/>			

## Across

1	$3 \times 10 =$	<input type="checkbox"/>	2	$12 \times 2 =$	<input type="checkbox"/>
3	double 9 =	<input type="checkbox"/>	5	$9 \times 10 =$	<input type="checkbox"/>
8	$7 \times 10 =$	<input type="checkbox"/>	9	$11 \times 5 =$	<input type="checkbox"/>
11	double 7 =	<input type="checkbox"/>	13	half of 20 =	<input type="checkbox"/>
14	$12 \times 10 =$	<input type="checkbox"/>	16	$13 \times 5 =$	<input type="checkbox"/>
19	$6 \times 5 =$	<input type="checkbox"/>	20	half of 100 =	<input type="checkbox"/>

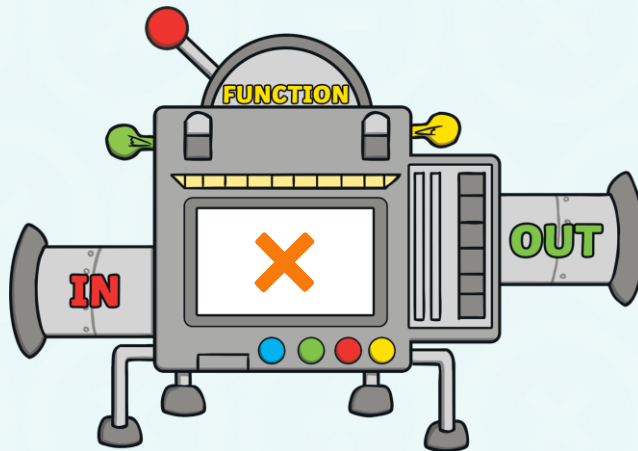
<sup>1</sup> 3	0		<sup>2</sup> 2	4		<sup>3</sup> 1	<sup>4</sup> 8
5		<sup>5</sup> 9	0		<sup>6</sup> 4		0
	<sup>7</sup> 4			<sup>8</sup> 7	0		
<sup>9</sup> 5	5		<sup>10</sup> 1			<sup>11</sup> 1	<sup>12</sup> 4
		<sup>13</sup> 1	0		<sup>14</sup> 1	2	0
	<sup>15</sup> 1		0				
	<sup>16</sup> 6	<sup>17</sup> 5		<sup>18</sup> 2		<sup>19</sup> 3	0
		0		<sup>20</sup> 5	0		

# Multiply and Divide

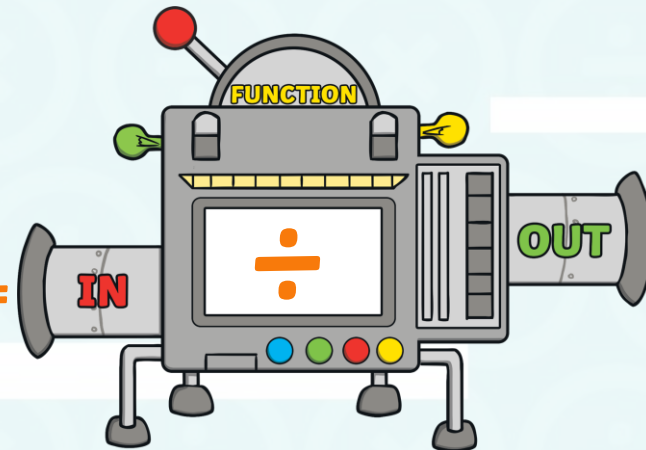


Derek is an amazing divider!

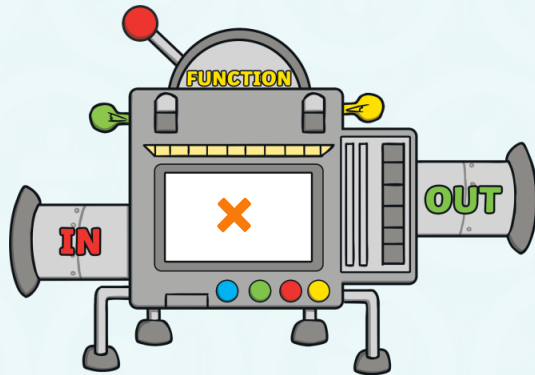
$19 \times 5 =$



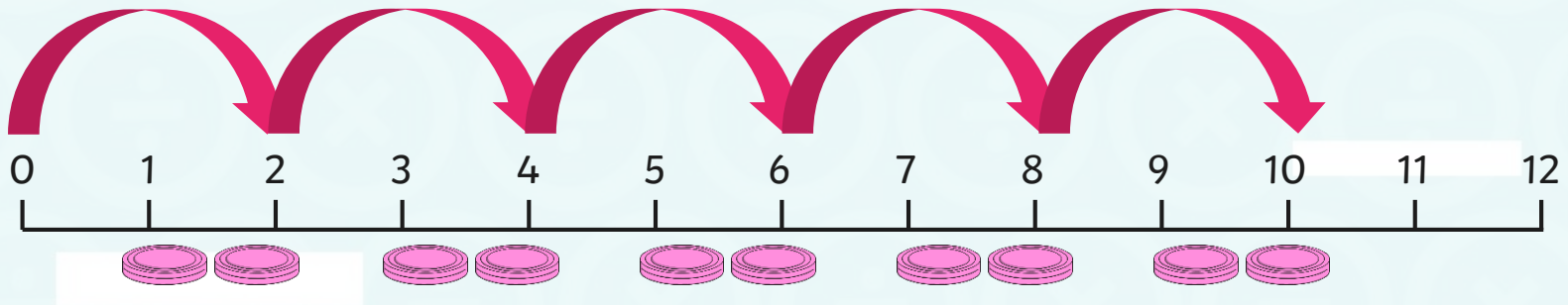
$350 \div 10 =$



# Multiply and Divide



If I have 5 groups of 2, I need to find the total.



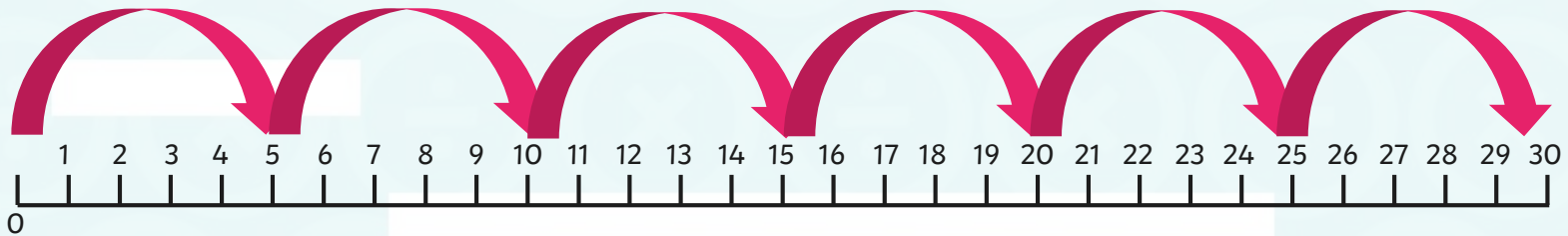
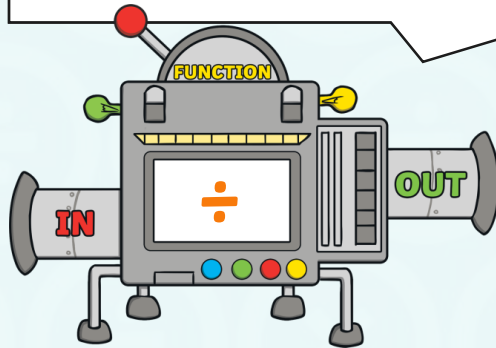
$$2 + 2 + 2 + 2 + 2 = 10$$

$$5 \times 2 = 10$$

# Multiply and Divide



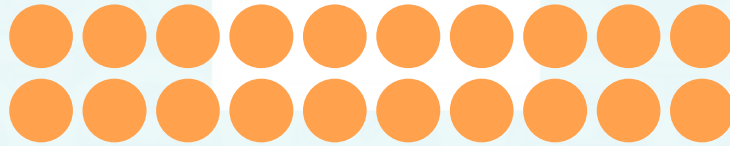
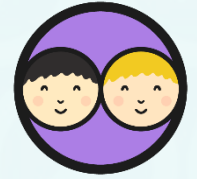
If I make groups of 5 with 30 counters, I want to know how many groups I can make.



$$30 \div 5 = 6$$



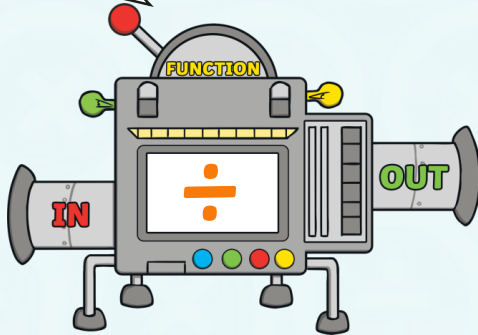
# Your Challenge



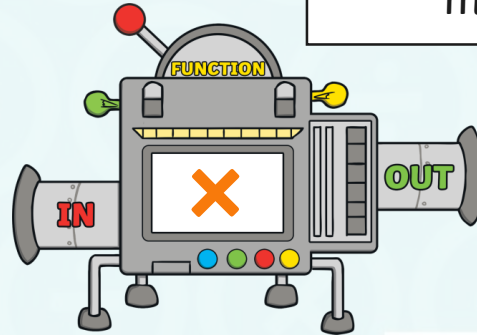
Can you write a sentence for me?

Can you write a sentence for me?

$20 \div 10 =$



$2 \times 10 =$



# Your Challenge

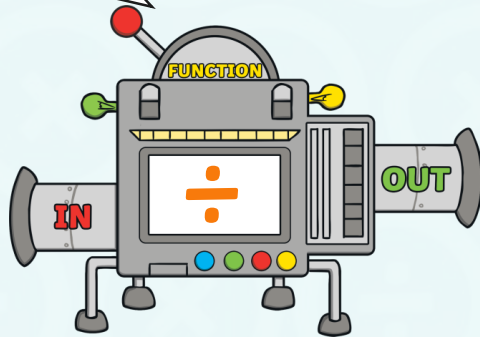


Can you write a sentence for me?

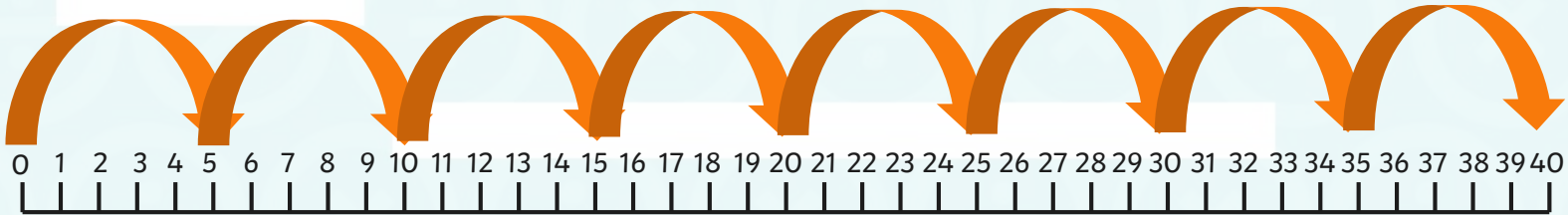
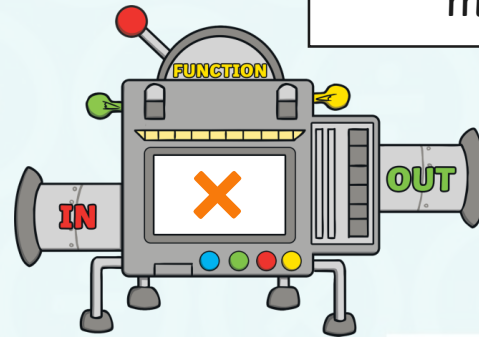
I have 40 stickers!

Can you write a sentence for me?

$40 \div 5 =$



$8 \times 5 =$



# Multiply or Divide?

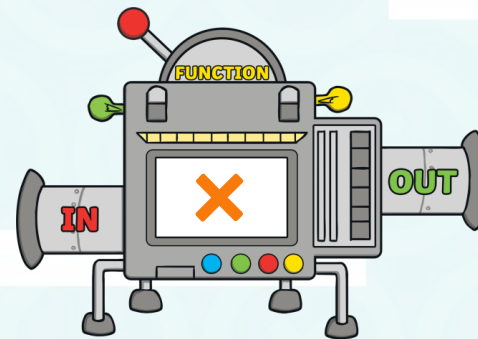
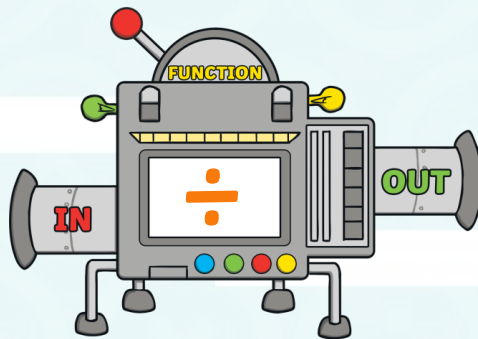


Today I spent 35p on pencils. Each pencil cost 5p. How many pencils did I buy?



We know the total. I think this belongs to me.

There are same sized groups. I think this belongs to me.



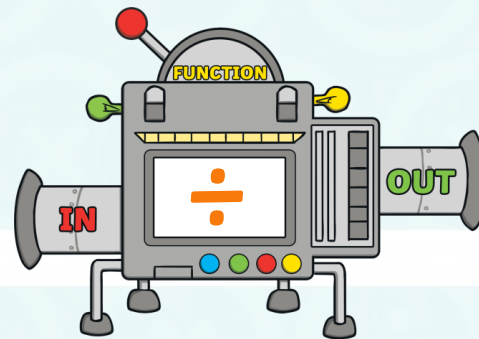
# Multiply or Divide?



Today I spent 35p on pencils. Each pencil cost 5p. How many pencils did I buy?



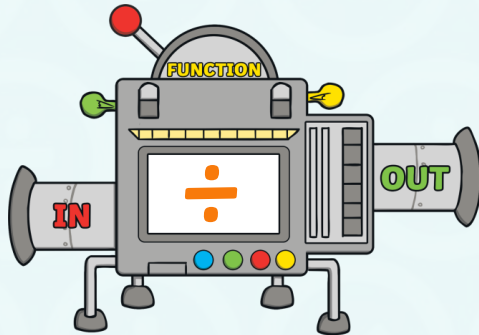
It belongs to me!



# Multiply or Divide?

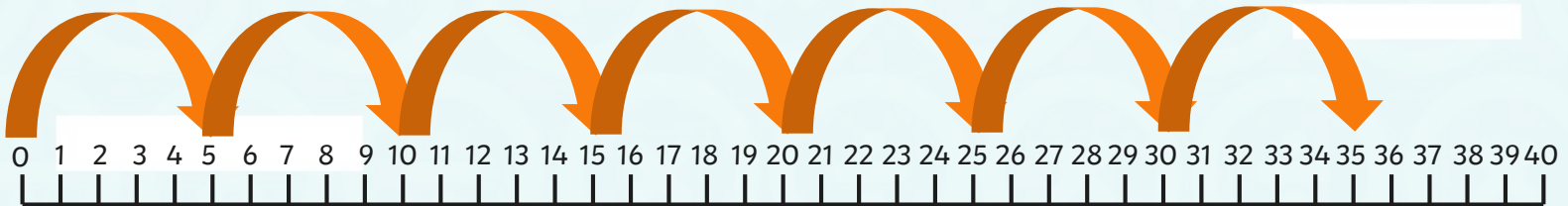


Today I spent 35p on pencils. Each pencil cost 5p. How many pencils did I buy?



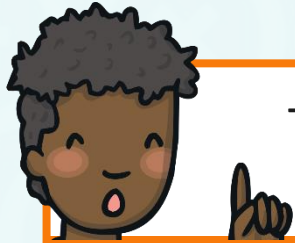
We know the total amount spent.

Each pencil cost the same amount.



$$35 \div 5 = 7$$

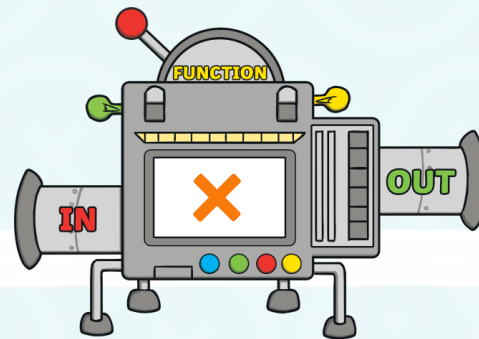
# Multiply or Divide?



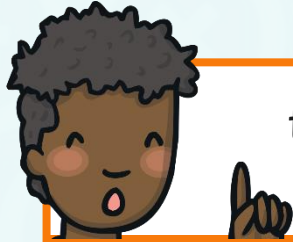
Today I bought 7 pencils. Each pencil cost 5p. How much did I spend?



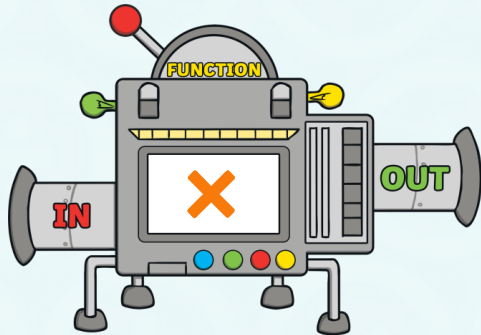
It belongs to me!



# Multiply or Divide?

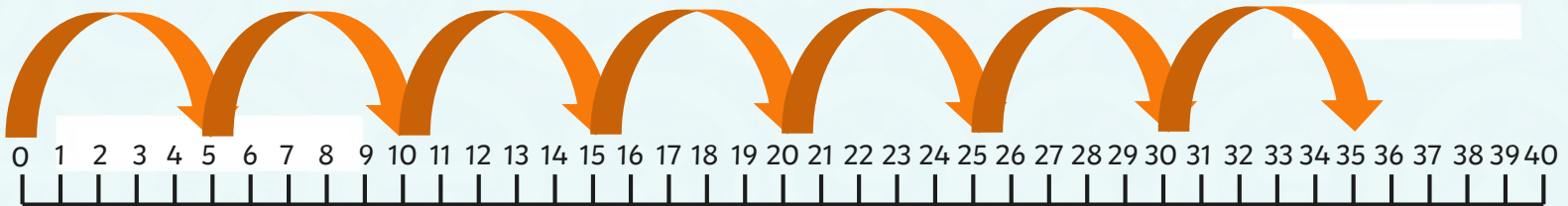


today I bought 9 pencils. Each pencil cost 5p. How much did I spend?



We know the number of groups.

We need to find the total.



$$7 \times 5 = 35$$

# Matilda and Derek




**★**

## Matilda and Derek

I can write multiplication and division statements for the 2, 5 and 10 times tables.

Write the multiplication or division sentence and fill in any gaps in the information.

1.   
\_\_\_ × 2 = \_\_\_

3.   
3 × \_\_\_ = \_\_\_

Draw jumps on the number line to show how you worked it out.


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14


**★★**

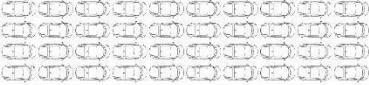
## Matilda and Derek

I can write multiplication and division statements for the 2, 5 and 10 times tables.

Write the multiplication or division sentence and fill in any gaps in the information.

1.   
\_\_\_ × 2 = \_\_\_

2.   
\_\_\_ × \_\_\_ = \_\_\_

3.   
\_\_\_ × \_\_\_ = \_\_\_

Draw jumps on the number line to show how you worked it out.


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

**★★★**

## Matilda and Derek

I can write multiplication and division statements for the 2, 5 and 10 times tables.

Write the multiplication or division sentence and fill in any gaps in the information.



Write the multiplication or division sentence and fill in any gaps in the information.

Write the multiplication or division sentence and fill in any gaps in the information.

Write the multiplication or division sentence and fill in any gaps in the information.

Write the multiplication or division sentence and fill in any gaps in the information.

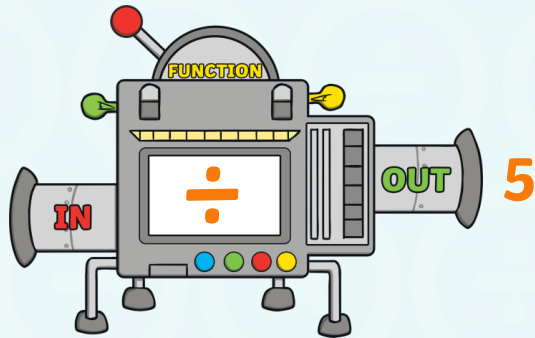
4 35 36 37 38 39 40 41 42 43 44 45



# Final Puzzle



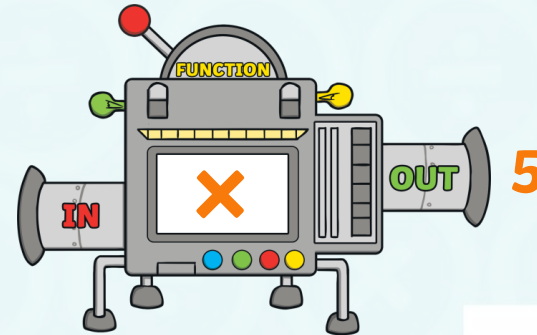
Matilda and Derek have the same answer. What question do you think they put in? Have they been asked the same question? If no, why not?



$$10 \div 2 = 5$$

$$25 \div 5 = 5$$

$$50 \div 10 = 5$$



$$1 \times 5 = 5$$

# Aim



- I can write multiplication and division sentences for the 2, 5 and 10 times tables.

# Success Criteria

- I can multiply and divide by 2, 5 and 10.
- I can interpret an array.
- I can use the  $\div$ ,  $\times$  and  $=$  symbols.

