Year 3
Maths
12.11.2020

Lesson Aims

- **LO: I can draw an array to help solve multiplication and division number sentences and word problems.**
- SC: I can use my knowledge of times tables to help me.
- I can draw the correct number of rows/columns in my array.
- I can show that multiplication can be done in any order.
- I can know that multiplication and division are inverse operations.
- I can identify if a word problem is a multiplication or division problem.

Fluency Starter

- This week, we have been practising adding 3 number.
- 36 + 3 + 4 =
- What strategies have we used to help us?
- Number bonds

Fluency Starter

- 13 + 7 + 4 =
- 66 + 4 + 4 =
- 346 + 14 + 9 =

Fluency Starter Answers

- 13 + 7 + 4 = **24**
- 66 + 4 + 4 = **74**
- 346 + 14 + 9 = **369**

Main teaching

- What words do you know for these symbols?

x **÷**

Main teaching answer

- Did you get them all?

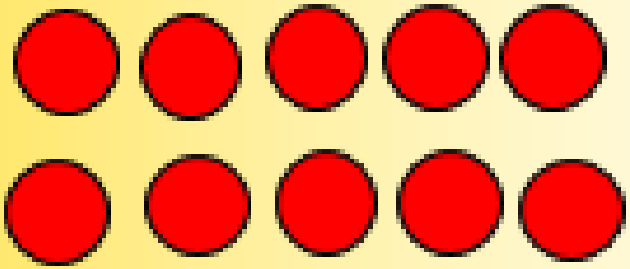
X **÷**

repeated addition divide by multiply

times share group lots of

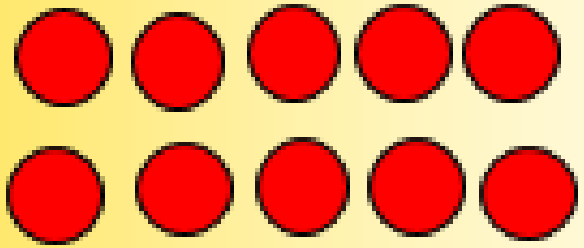
gets bigger gets smaller

Main Teaching



What multiplication and division sentences could you write for this array?

Fluency answers



What multiplication and division sentences could you write for this array?

- 5 x 2 = 10
- 2 x 5 = 10
- 10 ÷ 2 = 5
- 10 ÷ 5 = 2

Fluency

How would we draw the array and use it to find the missing number?

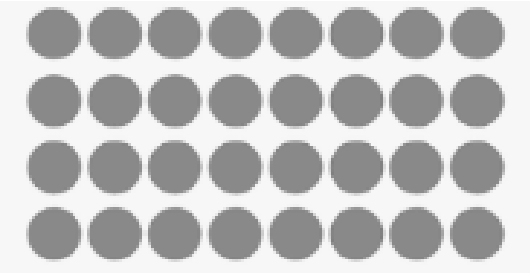
x 4 = 32

Fluency Answer

How would we draw the array and use it to find the missing number?

8 x 4 = 32

- Start by drawing groups of four circles in downwards lines and continue until you have 32 circles in total. Count the number of lines across and that's your answer of 8.



Fluency

Try solving this

$$\square \div 5 = 2$$

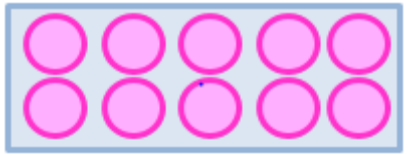
Fluency

Try solving this

$$\boxed{10} \div 5 = 2$$

We know the biggest number in a division is ALWAYS first so to work this one out, we can use an array.

Draw 5 columns of 2 and count up the dots.



Activity

- There is a worksheet for you to do.

- The answers have been uploaded too.