## L.O - To explore 2 digit by 1 digit division.

## success criteria

>To use concrete and written methods to solve division problems.
>To use known multiplication facts to solve division questions.
>To partition 2 digit numbers into tens and ones.
>To problems solve and reason with division.

Key vocabulary: division, partition, tens, ones, exchanging, dividing

Today we are going to be exploring how to divide 2 digit number by 1 digit numbers. To do this we need to refresh our knowledge on partitioning.

## What is partitioning? <br> How can I partition a 2 digit number?

Partitioning is a way of breaking down a bigger number into smaller parts. Today we will be using our place value knowledge to partition numbers into tens and ones.

## How to partition a number.

how many tens and ones does it have?



As we can see 24 has 2 tens and 4 ones. Now that we know how to partition a number lets see how this method can help us to divide.



Fluency


Fluency answers


## Prove it!

Lexi thinks that 88 sweets can be shared equally between eight people.


Is she correct?

Jacob answers the question 44 + 4 using place value counters.


Is he correct?
Explain your reasoning.

Grace uses place value counters to help her calculate $63+3$


She gets an answer of 12
Is she correct?
Use place value counters to explain how you know.

## Answers




She gets an answer of 12 Is she correct?
Use place value counters to explain how you know.
Possible answer:
Grace is incorrect
because she has
not shared her ten
counters in the
tens column.
It should look like
this:

| T | 0 |
| :---: | :---: |
| 0 | 0 |
| O | 0 |
| 0 | 0 |

The answer would be 21

