<u>L.O - To explore 2 digit by 1 digit division.</u> <u>success criteria</u>

>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? 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 many tens and ones does it have?

tens ones 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.

let's try this calculation 36 ÷ 3

Step one Step two partition the bigger number. This gives us 3 tens and 6 ones. equally into 3 groups

Share the partitioned tens and ones

Step three Check the total amount shared equally in each row this will give you your answer.





we are using 3 groups because we are dividing by 3



Each row has 1 ten and 2 ones this makes 12 in total, therefore <u>36 ÷ 3 = 12</u>

Have a go at this $44 \div 4 =$

Step one Step two partition the bigger number Share the partitioned tens and ones equally into groups Check the total amount shared equally in each row this will give you your answer.

Step three

	Tens	Ones		Tens	Ones
			•		
()					
tens ones					

Fluency



Fluency answers



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Problem solving

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.



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

Answers

