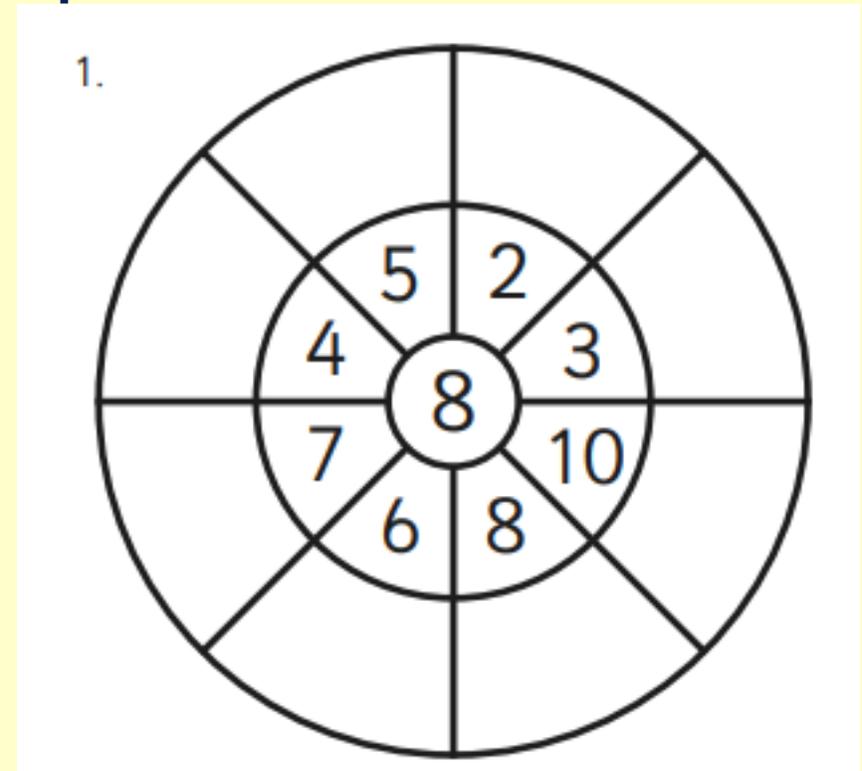
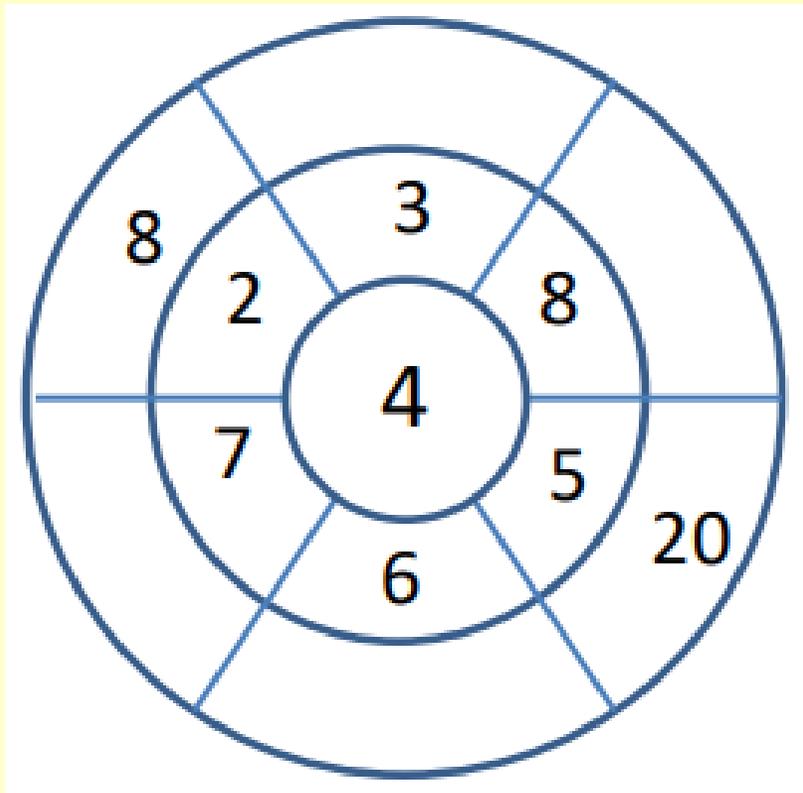


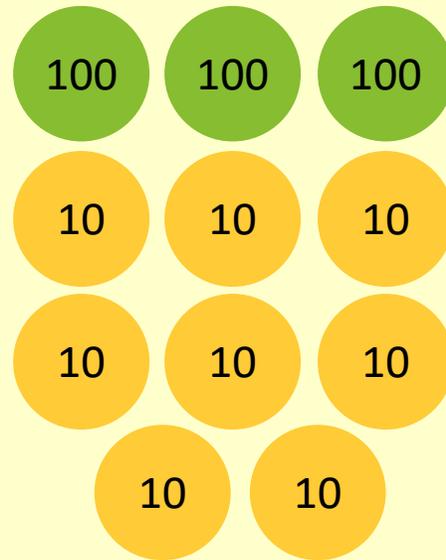
LO: To be able to divide by 100.

Today we are going to be dividing by 100.

But first, let's warm up our brains. You can choose which one to complete.



Look at the number shown below. What number is it showing?

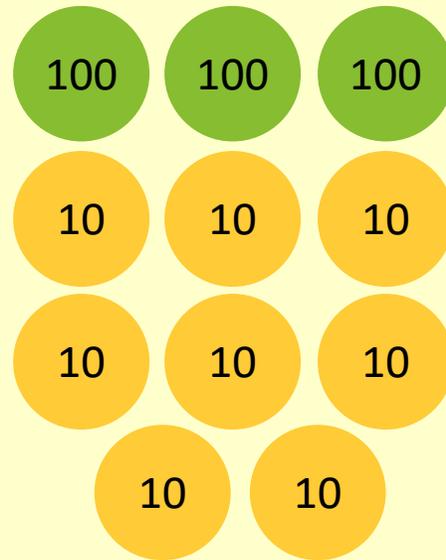


Hundreds	Tens	Ones
		

→

To divide remember we move to the right on the place value chart. We will need to remove the placeholder. Can you divide this number by 10?

Look at the number shown below. What number is it showing?

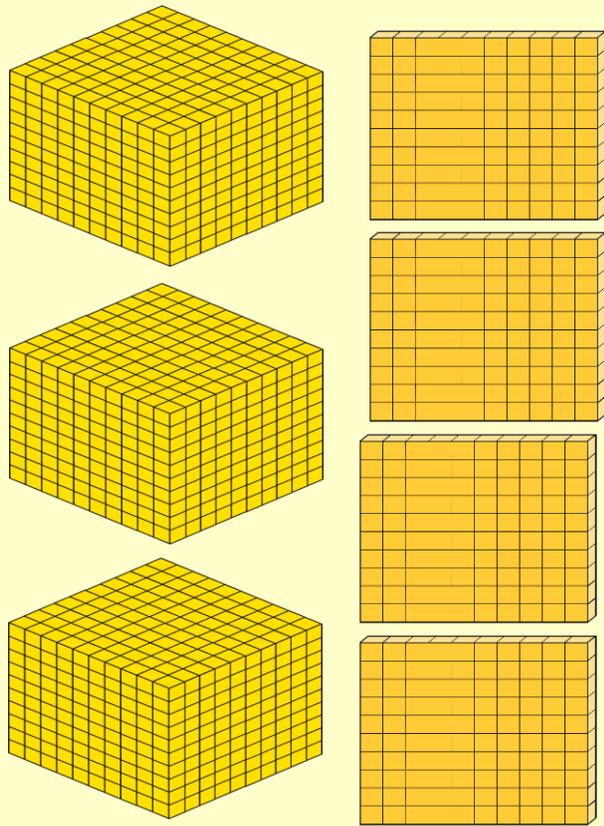


Hundreds 	Tens 	Ones 
3	8	0
	3	8

A place value chart with three columns: Hundreds, Tens, and Ones. The top row shows icons for each place: a 10x10 grid for Hundreds, a vertical rod of 10 units for Tens, and a single unit for Ones. The middle row contains the numbers 3, 8, and 0. The bottom row contains the numbers 3 and 8. A blue arrow points from the Tens column to the Ones column.

What is the answer?

Now let's look at dividing by 100. We use the same method but we are going to move two places on the place value chart.



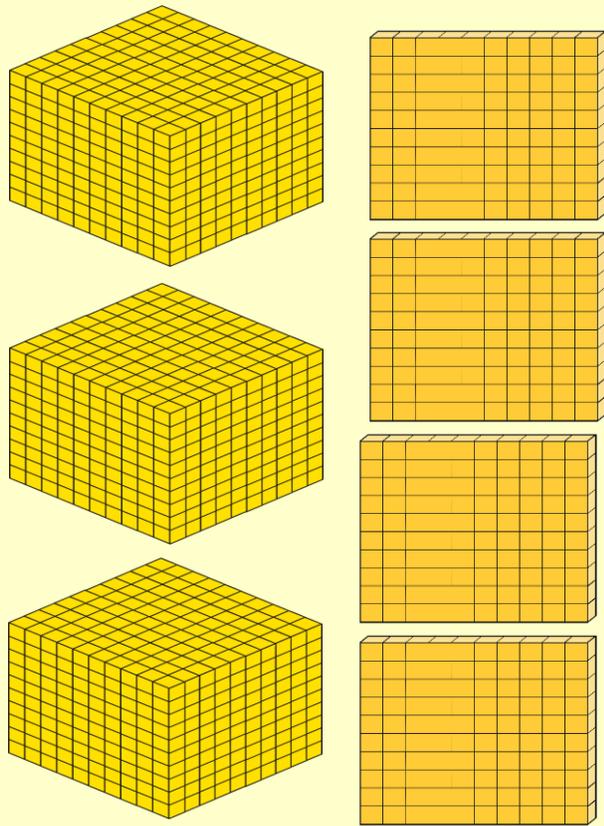
$\div 100$

Thousands	Hundreds	Tens	Ones
			



What number is shown in base 10?

Now let's look at dividing by 100. We use the same method but we are going to move two places on the place value chart.

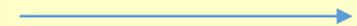


$\div 100$

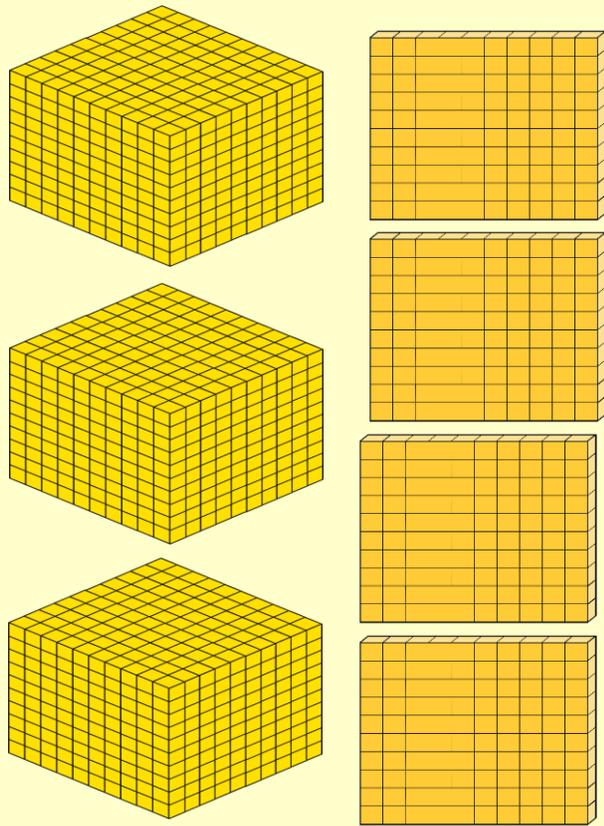
3400

Now can you divide this by 100?

Thousands	Hundreds	Tens	Ones
			



Now let's look at dividing by 100. We use the same method but we are going to move two places on the place value chart.



$\div 100$

Thousands	Hundreds	Tens	Ones
3	4	0	0
		3	4



Now try on your own.

4000	$\div 10$		$\div 100$	
8000		80	$\div 10$	
15 000	$\div 10$			15

Well done!

The image shows a wooden board with three rows of math problems. Each row consists of five boxes: a starting number, a division operation, an intermediate result, another division operation, and a final result. The final results are highlighted in green.

4000	$\div 10$	400	$\div 100$	4
8000	$\div 100$	80	$\div 10$	8
15 000	$\div 10$	1500	$\div 100$	15

Y4 Challenge:

Year 4 children who would like to try a very tricky challenge can try this problem below before their worksheet.

Everyone else can now get started on their worksheet.

I'm thinking of a number.

It is smaller than 8000
and greater than 3000.

When you divide my number by
10, it has 3 tens.

When you divide my number by
100, it has 6 tens.

What is my number?