

Monday - Arithmetic

LO: To divide by 100

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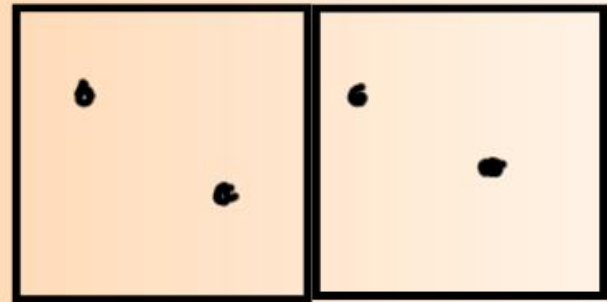
Today we are looking at dividing by 100.

What does divide mean?

LO: To divide by 100

Dividing is the process of splitting a number into equal parts.

Example- $4 \div 2 =$



LO: To divide by 100

Today, we will be dividing numbers by 100 using a HTO grid.

Th Thousands	H Hundreds	T Tens	0 Units	• Tths Tenths	Hths Hundredths

LO: To divide by 100


When dividing, what direction do we move the digits? Right or left?

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	4	2	2		

LO: To divide by 100

When dividing, the digits move to the right, as the number is getting smaller.

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	4	2	2		



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If we are dividing by 100, how many jumps does each digit have to make?

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	4	2	2		



LO: To divide by 100

Each digit makes two jump to the right. (Always remember your decimal point before the unit column!)

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	4	2	2		
			4	• 2	2

LO: To divide by 100

Work out what 345 divided by 100 would be.

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	3	4	5		

The diagram illustrates the process of dividing 345 by 100. The number 345 is written in a place value chart with columns for Thousands (Th), Hundreds (H), Tens (T), Units (U), Tenths (• Tths), and Hundredths (Hths). The digits 3, 4, and 5 are placed in the Hundreds, Tens, and Units columns respectively. A decimal point is shown in the Tenths column. Three arrows originate from the top of the 3, 4, and 5 digits and point to the right, crossing the decimal point and ending in the Hundredths column. This indicates that the decimal point has moved two places to the right, resulting in the number 3.45.

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Work out what 231 divided by 100 would be.

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
	2	3	1		

LO: To divide by 100

Work out what 45 divided by 100 would be.

Th Thousands	H Hundreds	T Tens	U Units	• Tths Tenths	Hths Hundredths
		4	5		

The diagram illustrates the process of dividing 45 by 100. The number 45 is written in the Tens and Units columns. Two arrows point from the 4 and 5 to the right, indicating a shift of two places. A decimal point is placed in the Tenths column.

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Success criteria

- Write the number from the question on a HTO grid.
- Move the digits to the right twice.
- Your new number will be the answer.
- Remember to put a decimal point if you need one!

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Remember to write HTO place value grids to show your workings and help you.

Step 1	Step 2	Step 3
$2340 \div 100 =$	$8762 \div 100 =$	$243 \div 100 =$
$6260 \div 100 =$	$1279 \div 100 =$	$983 \div 100 =$
$7830 \div 100 =$	$1762 \div 100 =$	$105 \div 100 =$
$5240 \div 100 =$	$3456 \div 100 =$	$48 \div 100 =$
$1230 \div 100 =$	$3458 \div 100 =$	$72 \div 100 =$

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How did you do?

Step 1	Step 2	Step 3
$2340 \div 100 =$	$8762 \div 100 =$	$243 \div 100 =$
$6260 \div 100 =$	$1279 \div 100 =$	$983 \div 100 =$
$7830 \div 100 =$	$1762 \div 100 =$	$105 \div 100 =$
$5240 \div 100 =$	$3456 \div 100 =$	$48 \div 100 =$
$1230 \div 100 =$	$3458 \div 100 =$	$72 \div 100 =$