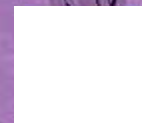
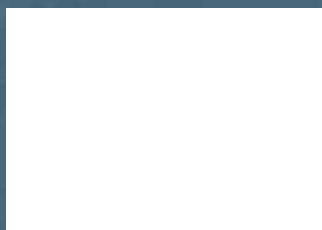


Division of Decimals

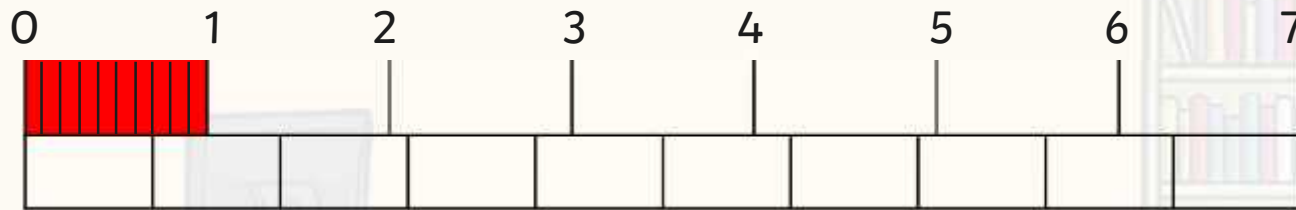


Dividing One-Digit Numbers by Ten

Fatima uses 2 number lines to explain how to divide one-digit numbers by 10.

Here is a number line showing the number 7.

Explain how this number line can be used to show $7 \div 10 = 0.7$



This bar is divided into 10 equal parts and matches the number line representing 7.

By dividing the first part of the number line into 10 equal parts, the bar shows that each tenth of 7 = 0.7.



Dividing One-Digit Numbers by Ten

Laura uses some bars of chocolate to explain how to divide one-digit numbers by 10.

Here are 3 whole bars of chocolate. Each bar has 10 sections.



Write a word problem which illustrates the calculation $3 \div 10 = .$



Dividing One-Digit Numbers by Ten **Answer**

3 whole bars of chocolate, each with 10 sections, is shared among 10 people.



How much of each bar will each person receive?
Give the answer as a decimal.

$$3 \div 10 = 0.3$$

Using Place Value

Alfie uses place value to explain how to divide one or two-digit numbers by 100.

Explain how to calculate $47 \div 100 =$ using place value.

Share your answer with a partner and make any improvements.

When dividing a number by 100, the answer can be found by moving the digits two place values to the right, making the number smaller.

Tens	Ones		Tenths	Hundredths
4	7			
	4	.	7	
	0	.	4	7

Remember to include a 0 in the ones column when the number is less than 1 (leading zero).



