

## Key Vocabulary

tenths

hundredths

decimal tenths

decimal hundredths

decimal equivalents

part-whole model

rounding

decimal point

place value

15.06.20

I can recognise tenths and hundredths.

# What are tenths?

**Tenths** are created when one whole is split equally into **ten different parts**.

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10

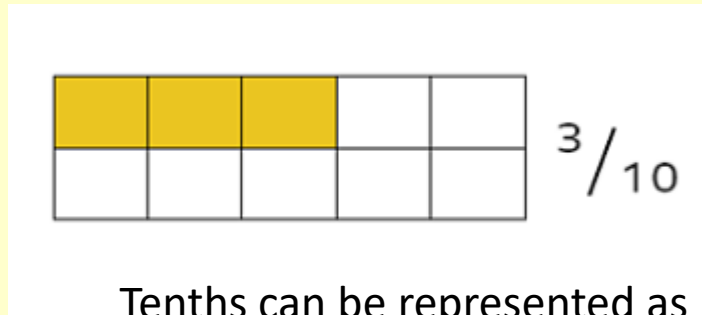
Tenths are important because they help you to understand place value in a number.

Watch the video on this page about tenths:

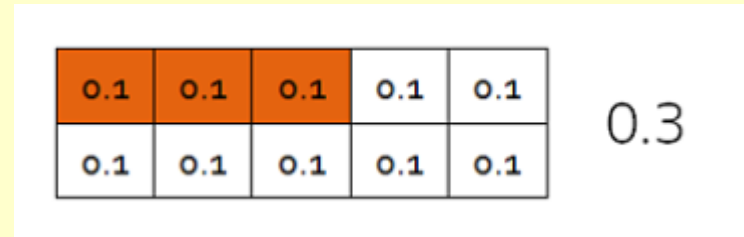
<https://www.bbc.co.uk/bitesize/articles/zvyrkxs>

Let's take a look at some different ways of representing tenths.

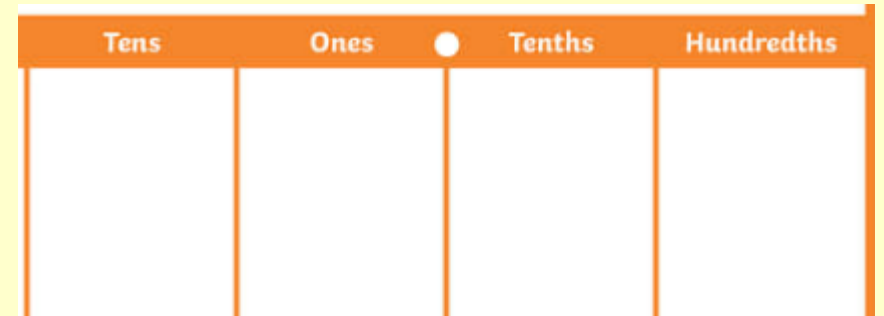
# Different representations of tenths:



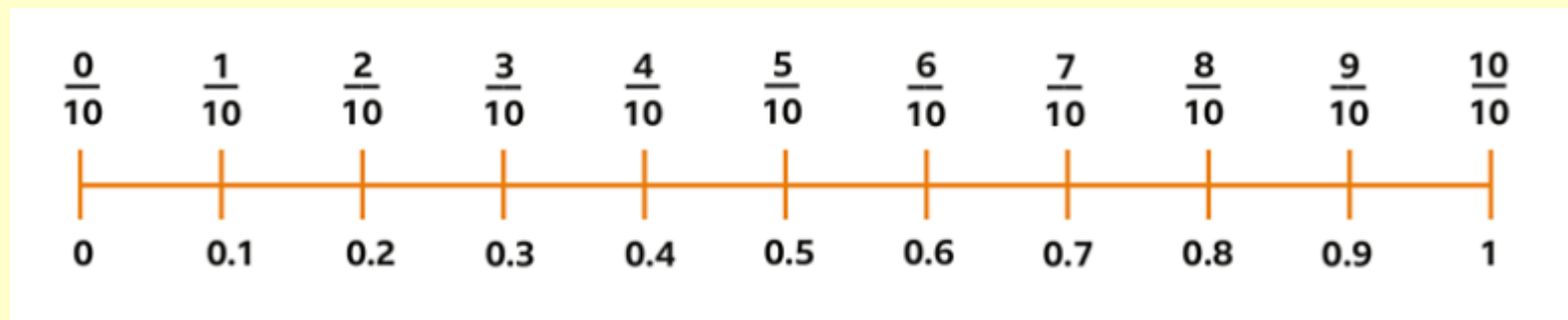
Tenths can be represented as a fraction.  $\frac{1}{10}$



Tenths can be represented as a decimal. 0.1



Tenths can be represented on a place value grid.

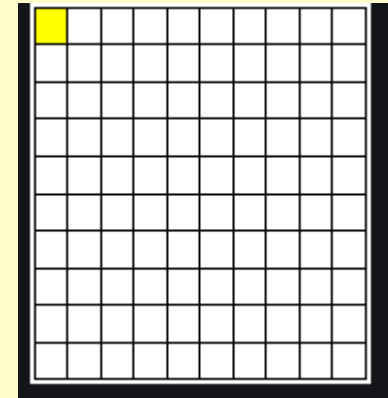


Tenths can be represented on a number line between two whole numbers.

# What are hundredths?

Hundredths is when something is broken into 100 equal parts like out hundreds dienes.

This can be represented as  $1/100$  or 0.01



Watch both the videos on this page to find out more about hundredths.

<https://www.bbc.co.uk/bitesize/articles/zb4jmyc>

# Activities:

1. Complete the sentences:

There are \_\_\_\_\_ squares shaded out of \_\_\_\_\_.

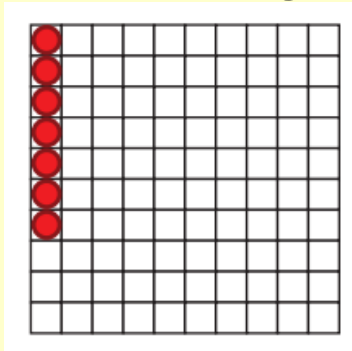
There is \_\_\_\_\_ row shaded out of \_\_\_\_\_.

The shaded area represents  or   or .

There are \_\_\_\_\_ squares shaded out of \_\_\_\_\_.

The shaded area represents  .

2. What fraction of this grid is covered?



How could it be written as a decimal?

3.

How could you represent these decimals?

0.4

0.8

0.2

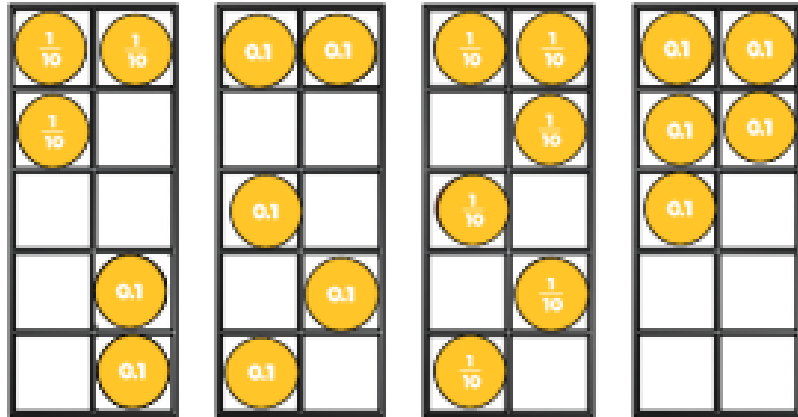
What's the same? What's different?

4. Complete this table:

fraction	decimal
$\frac{67}{100}$	0.67
	0.3
$\frac{7}{10}$	
	0.09
$\frac{93}{100}$	

5.

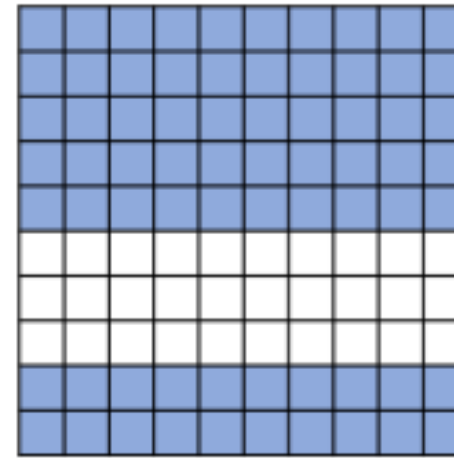
Which ten frame is the odd one out?



Explain your answer.

6.

Alex and Eva have been asked to write the decimal shaded on the 100 grid.



Alex says the grid shows 0.70

Eva says the grid shows 0.7

Who do you agree with?

Explain your answer.