

Your starting activity today is to watch the following video as an introduction to fractions.

[https://www.youtube.com/watch?list=PL\\_veIGcSU3qwxp1y5ZLD7GnqoNFznApf9&v=7m-XRdIopnE&feature=emb\\_title](https://www.youtube.com/watch?list=PL_veIGcSU3qwxp1y5ZLD7GnqoNFznApf9&v=7m-XRdIopnE&feature=emb_title)

# Counting in Tenths

Lesson  
1

In Focus



How much of the chocolate bar does each child get?

How many small pieces does this chocolate bar contain?

How many pieces can it be broken into then?

Finally, looking carefully at the children above, how many pieces of chocolate do they **each** have?

We are now going to break the chocolate bar up into 10 pieces.

Each single piece is 1 out of 10 pieces.

Can you remember how to write 1 out of 10?

You can write it like this  $\frac{1}{10}$  or like this 1/10.

However, before we do this, here is some information to help us understanding what a fraction actually tells us and how it shows us this

**2** ← Numerator - How many parts you have  
— ← vinculum  
**4** ← Denominator - How many total parts there are

In this fraction, we have 2 out 4.  
The 2 tells us the number of equal parts we are counting. This information is at the top of our fraction and is called the '**numerator**'.  
The 4 tells us the total number of equal parts the whole has been divided into. This information is at the bottom of our fraction and is called the '**denominator**'.

So this fraction tells us that we have 2 out of 4 of something.

The line that separates the numerator and denominator is called the '**vinculum**'.

# Let's Learn

1 The chocolate bar is cut into 10 pieces.

 is 1 tenth of the bar.



$$\frac{1}{10}$$



2  is 2 tenths of the bar.



$$\frac{2}{10}$$

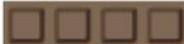


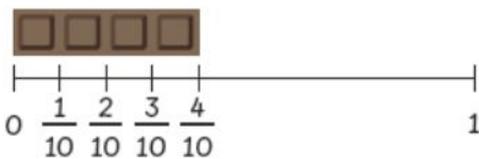
3  is 3 tenths.



$$\frac{3}{10}$$



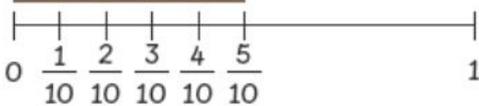
4  is 4 tenths.



$$\frac{4}{10}$$



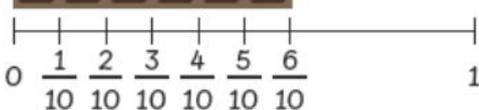
5  5 tenths



$$\frac{5}{10}$$

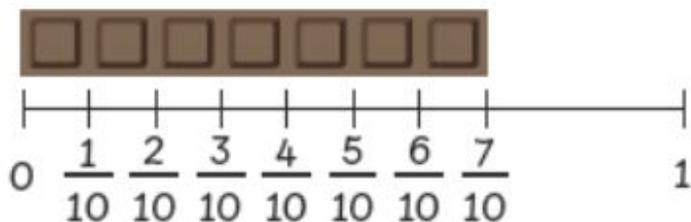


 6 tenths



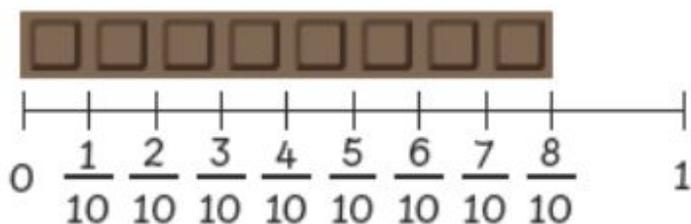
$$\frac{6}{10}$$





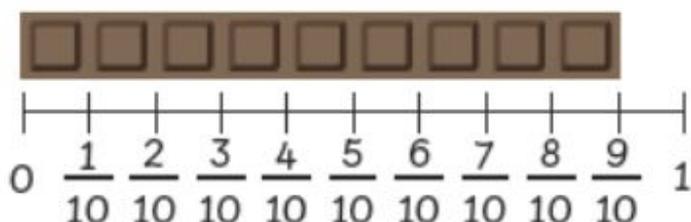
7 tenths

$$\frac{7}{10}$$



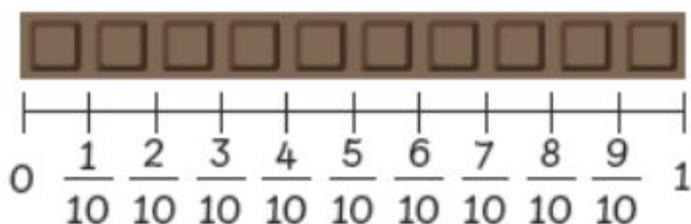
8 tenths

$$\frac{8}{10}$$



9 tenths

$$\frac{9}{10}$$



10 tenths = 1 one

$$\frac{10}{10}$$



**6** Count in tenths.

$$0, \frac{1}{10}, \frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \frac{6}{10}, \frac{7}{10}, \frac{8}{10}, \frac{9}{10}, \frac{10}{10}$$

**7** Count backward in tenths.

$$\frac{10}{10}, \frac{9}{10}, \frac{8}{10}, \frac{7}{10}, \frac{6}{10}, \frac{5}{10}, \frac{4}{10}, \frac{3}{10}, \frac{2}{10}, \frac{1}{10}, 0$$

## Guided Practice

- 1 This is 1.



What number does each stand for?

- (a)   $\frac{7}{10}$
- (b)   $\frac{1}{10}$
- (c)   $\frac{9}{10}$

- 2 What are the missing numbers?



- 3 Complete the number patterns.

(a)  $\frac{1}{10}, \frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \frac{6}{10}, \frac{7}{10}, \dots$

(b)  $\frac{8}{10}, \frac{7}{10}, \frac{6}{10}, \frac{5}{10}, \frac{4}{10}, \frac{3}{10}, \frac{2}{10}, \dots$

(c)  $\frac{3}{10}, \frac{5}{10}, \frac{7}{10}, \frac{9}{10}, \dots$

(d)  $\frac{9}{10}, \frac{6}{10}, \frac{3}{10}, 0, \dots$

# Worksheet 1

## Counting in Tenths

- 1 What fractions of the following are shaded?  
Write the fractions in the boxes.

Delete the question marks one at a time and then type in your answer. Click besides each question mark on the right hand side.

Start with the top question mark, click close to it on the right hand side, delete it and insert your answer. Then do the same for the bottom one. If you accidentally delete the fraction, you can show your answer like this  $1/10$ .

(If you are typing on a PDF document, I have left space underneath each answer, for you to include your answers)



?  
|  
?



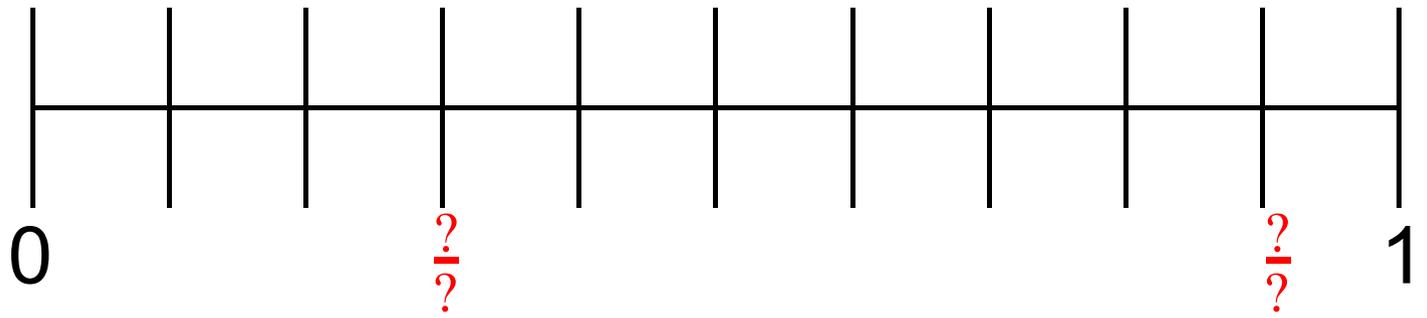
?  
|  
?



?  
|  
?

2

a)



b)

$$\frac{?}{?}, \frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{?}{?}, \frac{6}{10}, \frac{7}{10}, \frac{?}{?}, \frac{9}{10}, \frac{10}{10}$$

c)

$$\frac{2}{10}, \frac{4}{10}, \frac{?}{?}, \frac{8}{10}, \frac{?}{?}$$