
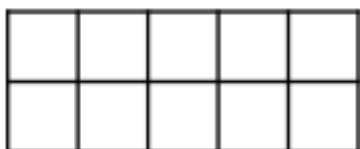



1) Exploring tenths

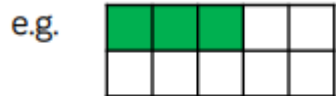
How many tenths make a whole?

When I am writing tenths the \_\_\_\_\_ is always 10

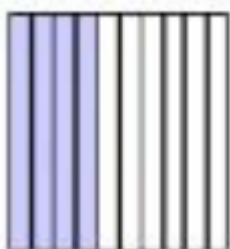
 If the frame represents 1 whole, what does each box represent?




 Identify what fraction of each shape is shaded.  
Give your answer in words and as a fraction.



Three tenths  $\frac{3}{10}$



Challenge: Can you simplify any of the above fractions for an equivalent fraction with a smaller denominator?

 Annie has 2 cakes. She wants to share them equally between 10 people. What fraction of the cakes will each person get?



There are \_\_\_ cakes.

They are shared equally between \_\_\_ people.

Each person has  $\frac{\square}{\square}$  of the cake.

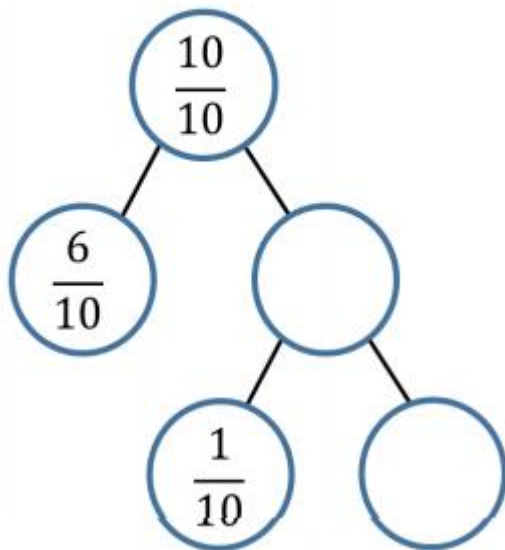
\_\_\_ ÷ \_\_\_ = \_\_\_

What fraction would they get if Annie had 4 cakes?

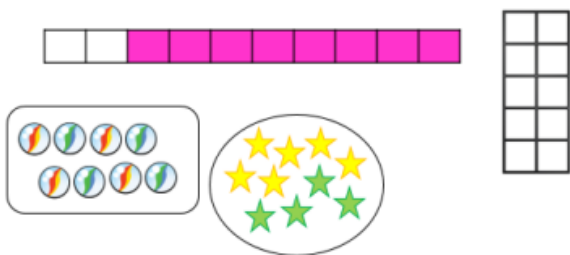
Reasoning and Problem solving

Look at the part whole model below.

Fill in the missing values.  
Explain how you got your answers.



**Odd One Out**




Which is the odd one out?  
Explain your answer.

2) Counting in tenths


Let's count in tenths. What comes next? Explain how you know.

If I start at \_\_\_ tenths, what will be next?


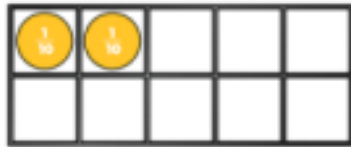
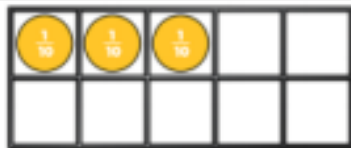
When we get to  $\frac{10}{10}$  what else can we say? What happens next?

 The counting stick is worth 1 whole. Label each part of the counting stick. Can you count forwards and backwards along the counting stick?




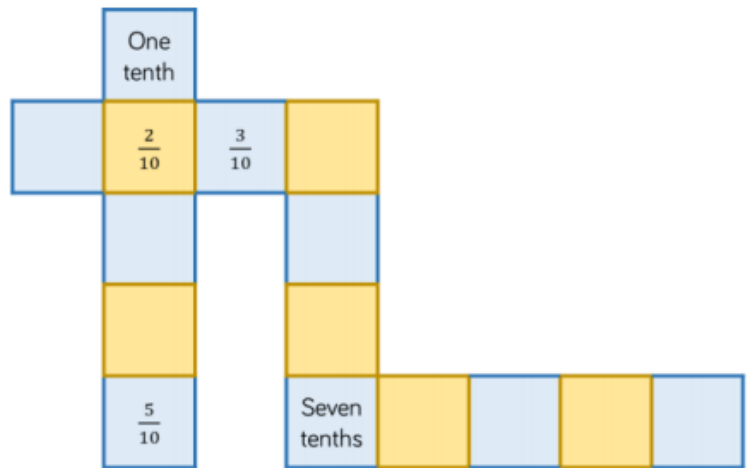
 Continue the pattern in the table.

- What comes between  $\frac{4}{10}$  and  $\frac{6}{10}$ ?
- What is one more than  $\frac{10}{10}$ ?
- If I start at  $\frac{8}{10}$  and count back  $\frac{4}{10}$ , where will I stop?

Representation	Words	Fraction
	One tenth	$\frac{1}{10}$
		
		

Challenge: Make your own table that goes all the way up to 10 tenths.

 Complete the sequences.



Reasoning and Problem solving – counting in tenths

Teddy is counting in tenths.



Seven tenths, eight tenths, nine tenths, ten tenths, one eleventh, two elevenths, three elevenths...

Can you spot his mistake?

Write what Teddy should have said.

## True or False?

Five tenths is  $\frac{2}{10}$  smaller than 7 tenths.


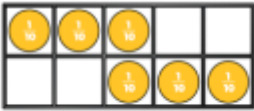
Five tenths is  $\frac{2}{10}$  larger than three tenths.

Do you agree?

Draw a bar model to show this.

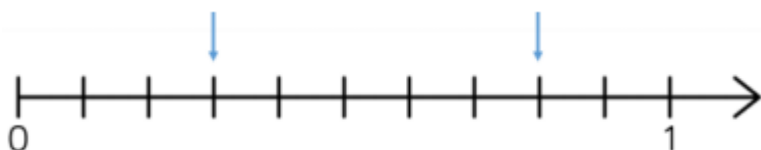
3) Tenths as decimals

Complete the table.

Image	Words	Fraction	Decimal
	One tenth	$\frac{1}{10}$	0.1
			
	Nine tenths		

Challenge create a table showing all the decimals and fractions from 0 to 1

Write the fractions and decimals shown.



Here is a decimal written in a place value grid.

Ones	Tenths
0	8

Represent this decimal by drawing a picture/diagram.  
Write the fraction.

### True or False?



Dora

10 cm is one tenth of 1 metre

10 cm is 0.1 metres.



Amir

Place the decimals and fractions on the number line.

0.7    $\frac{3}{10}$     $\frac{1}{10}$    0.9    $\frac{10}{10}$

