

**22.01.2021**

**LI: To connect tenths to place value and division by 10.**

**SC:**

- **I know that to find a tenth, I divide by 10.**
- **I know that the first digit after the decimal point tells about tenths**
- **I can convert decimals to fractions.**
- **I can convert fractions to decimals.**

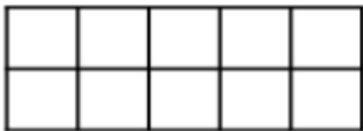
**Key vocabulary:**

- tenths
- decimal point
- fractions
- decimals

Model:

**One tenth and  $\frac{1}{10}$  and 0.1 are all the same.**

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



$\frac{1}{10}$  or 0.1

Identify what fraction is shaded.

Give your answer in words and as a fraction.



Three tenths

$\frac{3}{10}$

0.3

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## Check it

Check it

1. How many tenths are in 0.8?
2. Write 0.6 as a fraction
3. What is 7 tenths as a decimal?
4. What is 4 tenths as a fraction?

## Think it

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	$\frac{1}{10}$
		
		

## Master it

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.

$$\_ \div \_ = \_$$

## Plenary

## Self assessment



### SC:

- I know that to find a tenth, I divide by 10.
- I know that the first digit after the decimal point tells about tenths
- I can convert decimals to fractions.
- I can convert fractions to decimals.

## Check it

### Check it

1. How many tenths are in 0.8? 8
2. Write 0.6 as a fraction  $\frac{6}{10}$
3. What is 7 tenths as a decimal? 0.7
4. What is 4 tenths as a fraction?  $\frac{4}{10}$

## Think it

Continue the pattern in the table.

- What comes between  $\frac{4}{10}$  and  $\frac{6}{10}$ ?  $\frac{5}{10}$
- What is one more than  $\frac{10}{10}$ ?  
 $10/10 = 1 + 1 = 2$
- If I start at  $\frac{8}{10}$  and count back  $\frac{4}{10}$ , where will I stop?  
 $\frac{4}{10}$

Representation	Words	Fraction
	One tenth	$\frac{1}{10}$
	two tenths	$\frac{2}{10}$
	three tenths	$\frac{3}{10}$

## Master it

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



There are 2 cakes.

They are shared equally between 10 people.

Each person has  $\frac{2}{10}$  of the cake.

$$1 \text{ cake} = \frac{1}{10}$$
$$2 \text{ cakes} = 10 \div 2 = 5$$
$$\frac{1}{5}$$