

Year 4, Week 2, 30.03.20

Maths No Problem workbook, Chapter 8: Decimals, Lesson 1-5, Pages 1-10.

Writing Tenths

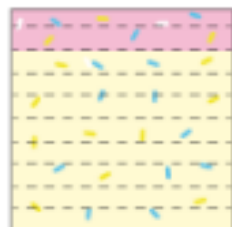
Lesson 1

In Focus

Look at the two numbers shown by the parts shaded in pink. How are they related?



What does this stand for?



Let's Learn

- 1 Divide 1 into 10 equal parts.



= 1



= 1 tenth

$$1 \text{ tenth} = \frac{1}{10} = 0.1$$

$\frac{1}{10}$ is 0.1 when written as a decimal.

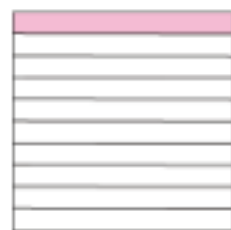
We read 0.1 as one tenth. The dot is the decimal point.



- 2 Compare 0.1 and 1.



= 1



= 0.1

- 3 Write the number represented in each diagram as a decimal.



1



3 tenths

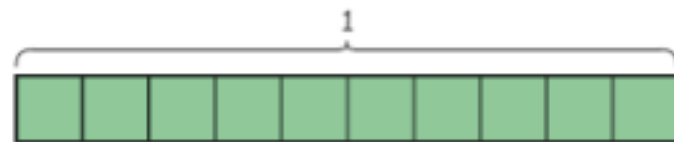


9 tenths

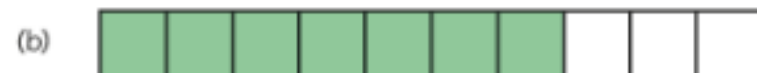


5 tenths

Guided Practice



Write each number shown by the shaded part as a decimal.



Writing Tenths

Lesson 2

In Focus



Let each stand for either **1** or **0.1**.

Use all to make a number.



Let's Learn

1 makes **1 1 1 0.1 0.1**.

1	1	0.1
1		0.1
ones	tenths	
3	2	

$$\begin{aligned} & 3 \text{ ones} + 2 \text{ tenths} \\ & = 3 + 0.2 \\ & = 3.2 \end{aligned}$$

We read 3.2 as three and two tenths.



The digit 3 is in the ones place.
The digit 2 is in the tenths place.

2 makes **1 1 0.1 0.1 0.1**.

1	0.1	0.1
1	0.1	
ones	tenths	
2	3	

$$\begin{aligned} & 2 \text{ ones} + 3 \text{ tenths} \\ & = 2 + 0.3 \\ & = 2.3 \end{aligned}$$

The digit 2 stands for 2 ones.
The digit 3 stand for 3 tenths.

We read 2.3 as two and three tenths.



3 makes **1 0.1 0.1 0.1 0.1**.

1	0.1	0.1
	0.1	0.1
ones	tenths	
1	4	

1	0.4
1	.4

We read 1.4 as one and four tenths.

How many numbers can be made using ?

What if there are instead?



Guided Practice

1 Use **1** **1** **1** **1** to show each number .



- (a) 1.6
- (b) 2.4
- (c) 4.8
- (d) 0.3

2 What value does the digit 7 stand for in each number?

- (a) 7.2




- (b) 2.7



3



Let each  stand for either **1** or **0.1** .

 can stand for 6 different numbers.

Explain if this is true.

Writing Tenths

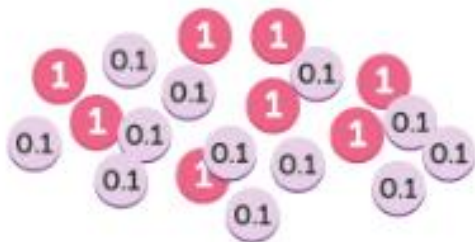
Lesson 3

In Focus

Who is correct?



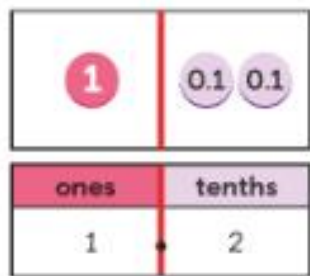
I use 3 counters to show 1.2.



I use 12 counters to show 1.2.

Let's Learn

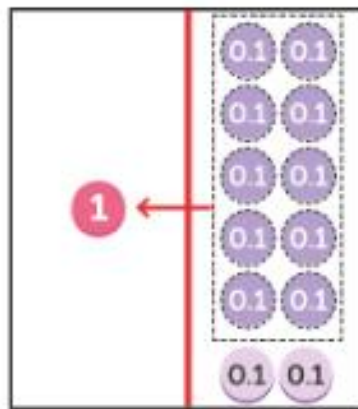
1 uses 1 0.1 0.1 to show 1.2.



We read 1.2 as one and two tenths.



2 uses 12 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 to show 1.2.




$$\begin{aligned}
 12 \text{ tenths} &= 10 \text{ tenths} + 2 \text{ tenths} \\
 &= 1 \text{ one} + 2 \text{ tenths} \\
 &= 1.2
 \end{aligned}$$

$$12 \text{ tenths} = \frac{12}{10}$$



Guided Practice

1 Write each number as a decimal. Use **1** and **0.1** to help you.

(a) 15 tenths $\frac{15}{10}$ 

(b) 22 tenths $\frac{22}{10}$ 

(c) $\frac{30}{10}$

(d) $\frac{65}{10}$

2 What is the decimal represented by each letter?



Writing Hundredths

Lesson 4

In Focus



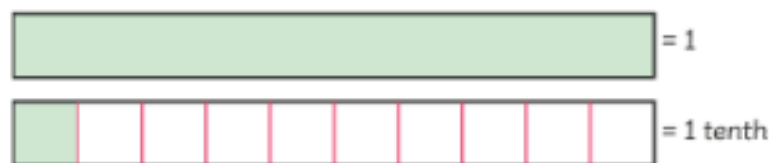
This stands for 1.



What number does each shaded part stand for?

Let's Learn

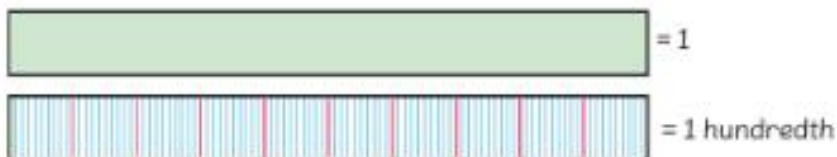
- 1 Divide 1 into 10 equal parts.



$$1 \text{ tenth} = \frac{1}{10} = 0.1$$

$\frac{1}{10}$ is 0.1 when written as a decimal.

- 2 Divide 1 into 100 equal parts.



$$1 \text{ hundredth} = \frac{1}{100} = 0.01$$

$\frac{1}{100}$ is 0.01 when written as a decimal.

We read 0.01 as one hundredth.

- 3 What does each shaded part stand for?



$$\frac{8}{100} = 8 \text{ hundredths}$$
$$= \text{[shaded box]}$$



$$\frac{\text{[shaded box]}}{100} = \text{[shaded box]}$$

How do you read this number?

How do you write this number?

4 The shaded part stands for .



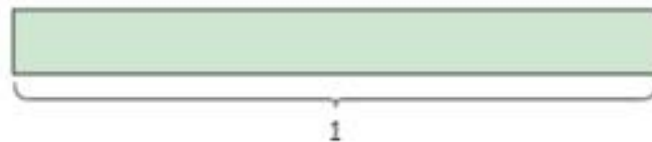
 I think it is 10 hundredths.


 I think it is 1 tenth.


Who is correct?

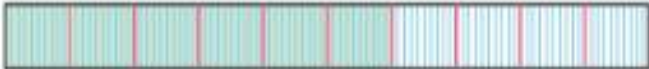
Guided Practice

Write the decimal number shown by each shaded part.



(a) 

(b) 

(c) 

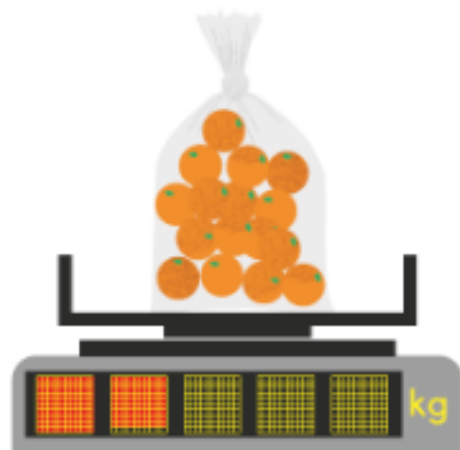
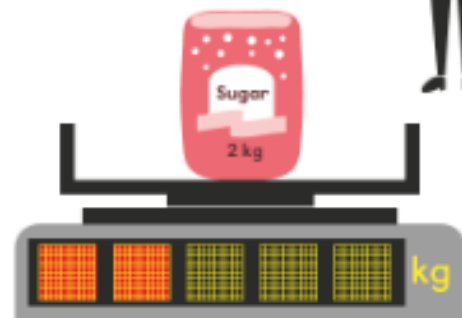
Read each of the numbers.



Writing Hundredths

In Focus

Miss Meharg designed an interesting kitchen scale.






Lesson 5

Let's Learn

1



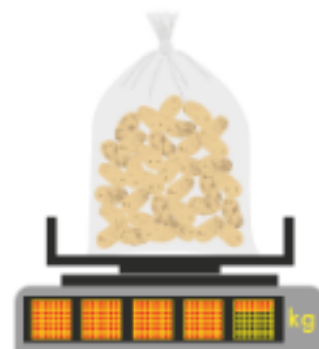
How many  ? 1 one
 How many  ? 9 tenths
 How many  ? 0 hundredth




1.9 is read as one and nine tenths.



It shows 1.9 kg.

2



How many  ? 4 ones
 How many  ? 2 tenths
 How many  ? 9 hundredths

4.29 is read as four and twenty-nine hundredths.



It shows 4.29 kg.

What is the mass shown on each scale?

Guided Practice

- 1 Read and write the numbers shown on the scale.



two

2



- 2 Show each number using



This shows 2.13.



- (a) 1.3
(b) 0.13
(c) 1.03