



Learning Question:

How can I represent tenths as a decimal?

Success Criteria:

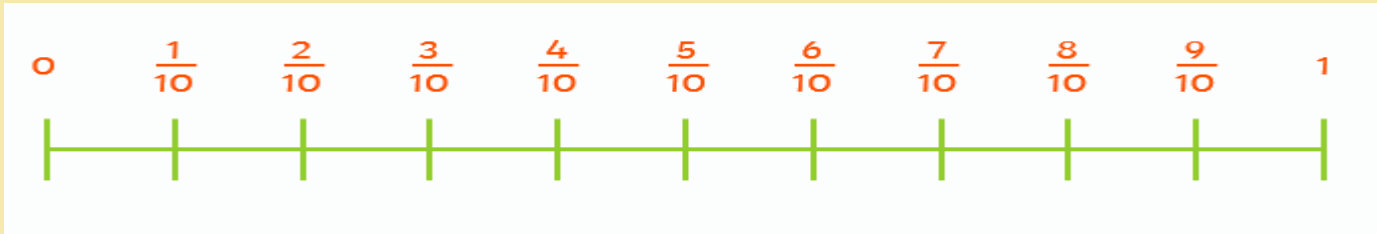
Recognise tenths as part of a whole.

Understand $10/10$ as being equal to one.

Show tenths as a decimal.

Vocabulary

How would you write $\frac{10}{10}$ as a decimal number?



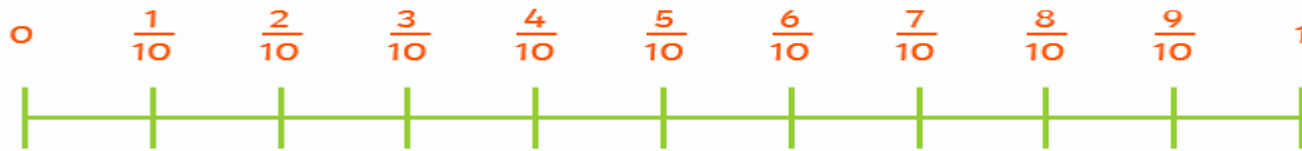
Hundreds	Tens	Ones	Tenths	Hundredths

$10/10$ is equal to 1 whole.
So we can write $10/10$ as 1.



Hundreds	Tens	Ones	tenths	hundredths
		1		

How can we write $\frac{5}{10}$ as a decimal number?



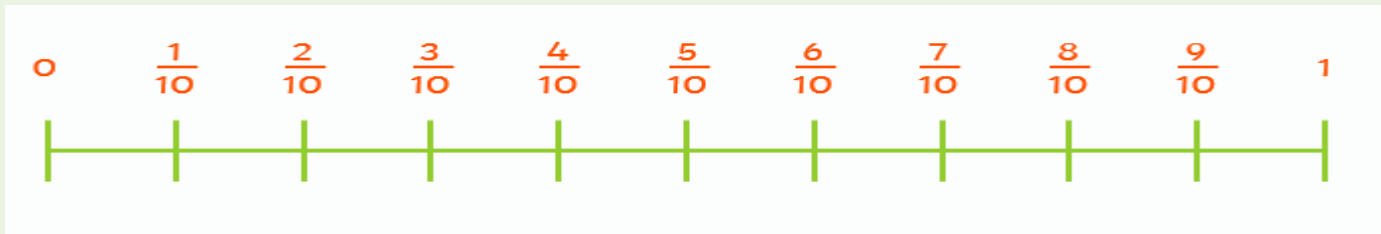
Hundreds	Tens	Ones	tenths	hundredths

$5/10$ is less than one.
So we have 0 ones and 5 tenths.
We can write this as 0.5



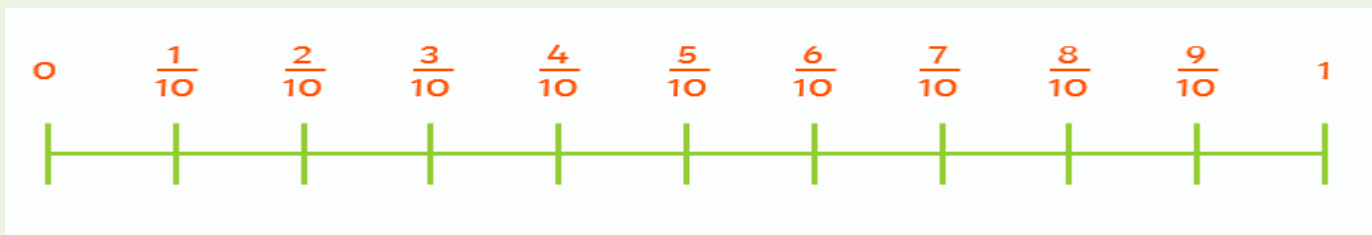
Hundreds	Tens	Ones	tenths	hundredths
		0	5	

How can we write $\frac{9}{10}$ as a decimal number?



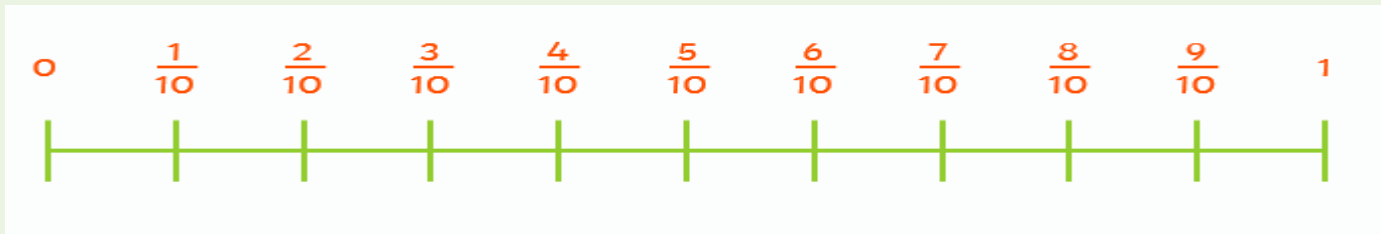
Hundreds	Tens	Ones	tenths	hundredths

$9/10$ is less than one.
So we have 0 ones and 9 tenths.
We can write this as 0.9



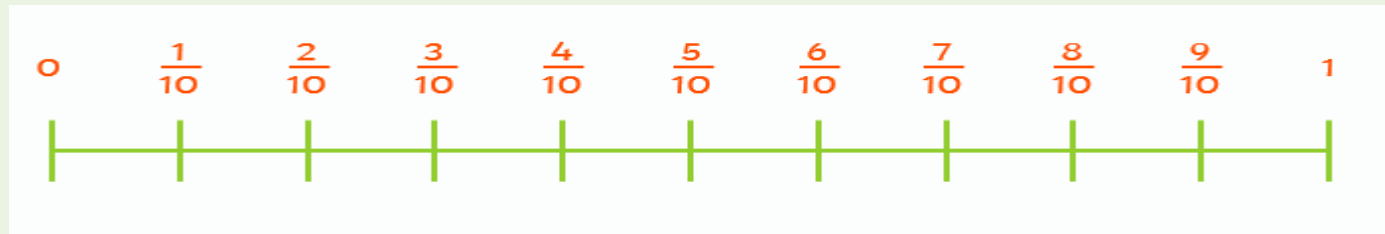
Hundreds	Tens	Ones	tenths	hundredths
		0	9	

How can we write $14/10$ as a decimal number?



Hundreds	Tens	Ones	tenths	hundredths

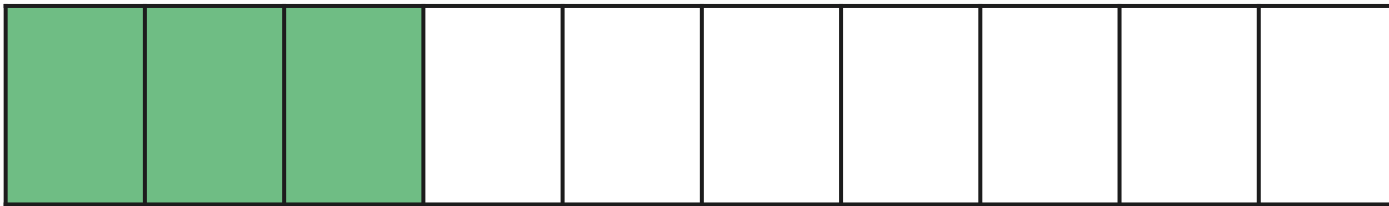
$14/10$ is greater than one.
So we have 1 ones and 4 tenths.
We can write this as 1.4



Hundreds	Tens	Ones	tenths	hundredths
		1	4	

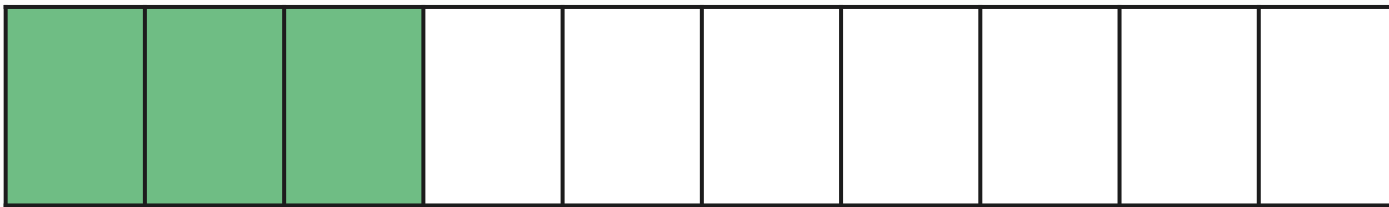


What is represented on this bar? Write as a decimal and a fraction





What is represented on this bar? Write as a decimal and a fraction



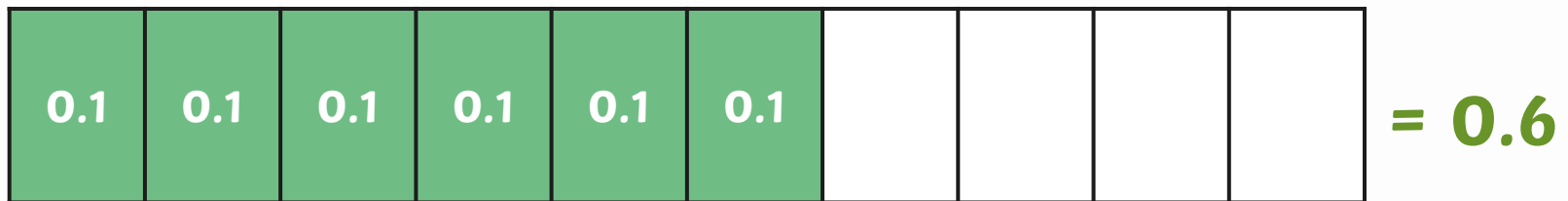
0.3

or

$\frac{3}{10}$



What decimal fraction is shown?



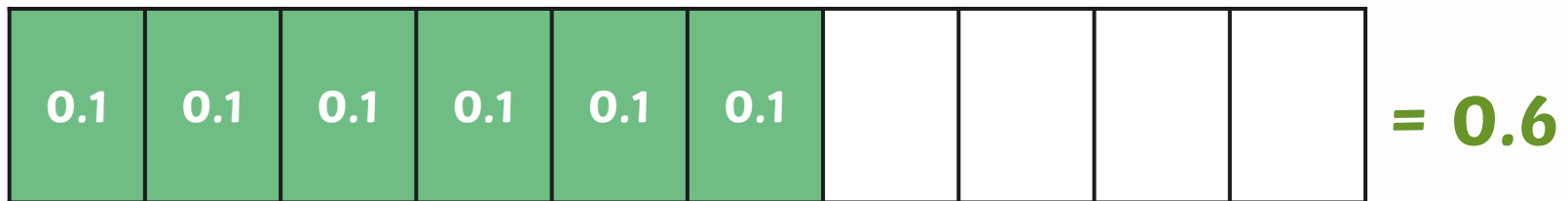
0.3

0.6

0.8

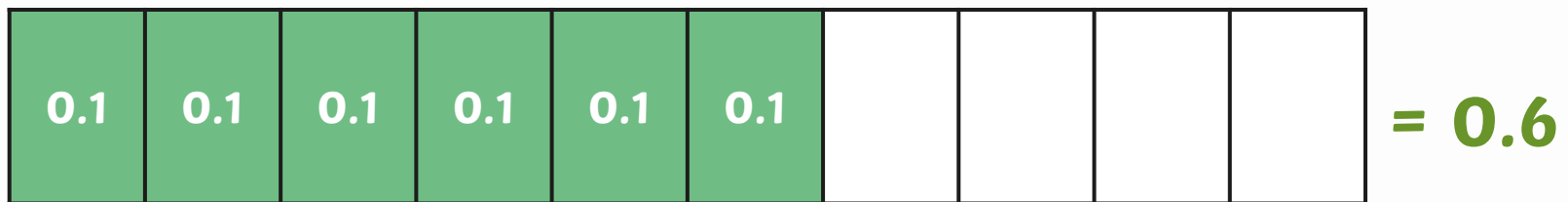


What is represented on this bar? Show as a decimal and a fraction.





What is represented on this bar? Show as a decimal and a fraction.



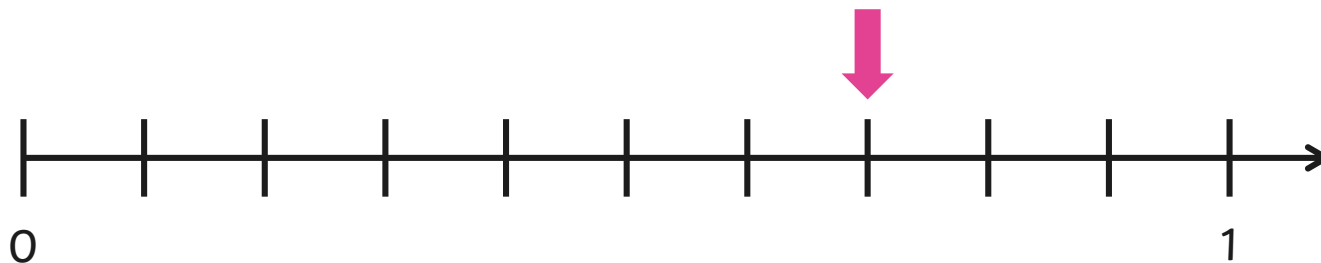
0.6

or

$\frac{6}{10}$

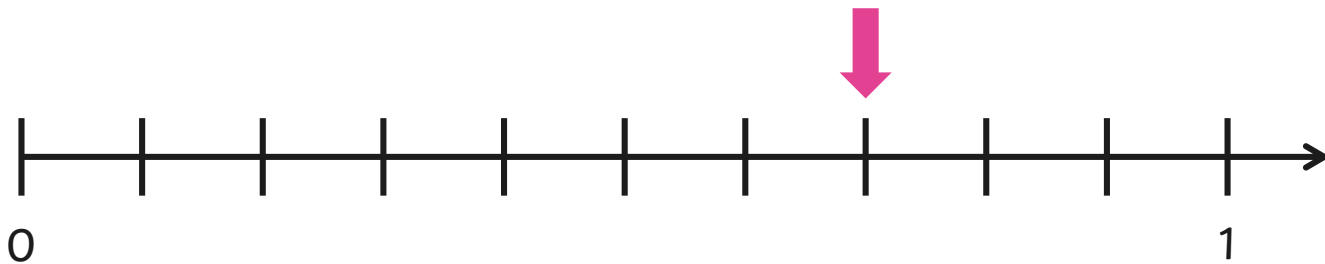


What is the arrow pointing to? Show as a decimal and a fraction.





What is the arrow pointing to? Show as a decimal and a fraction.







0.7

or

$\frac{7}{10}$



Which fractions and decimals match the image?

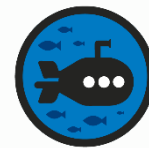
$$\frac{4}{10}$$

$$0.6$$

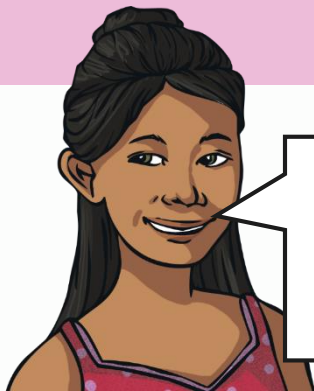
$$\frac{7}{10}$$

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

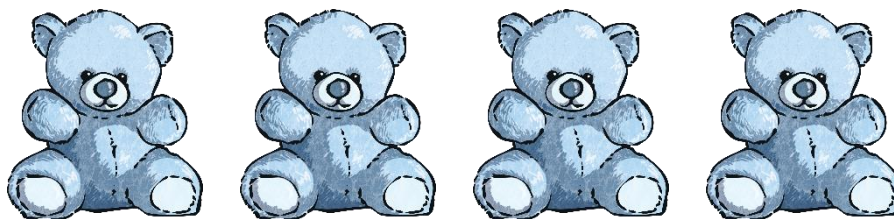
$$0.5$$



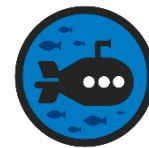
True or false?



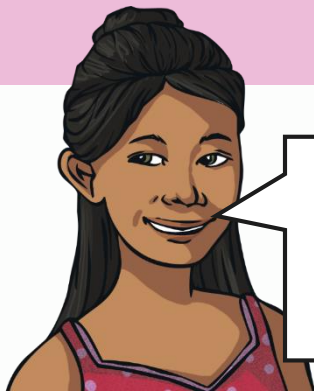
Each teddy bear represents a tenth. If I add another two teddy bears, 0.7 will be represented.



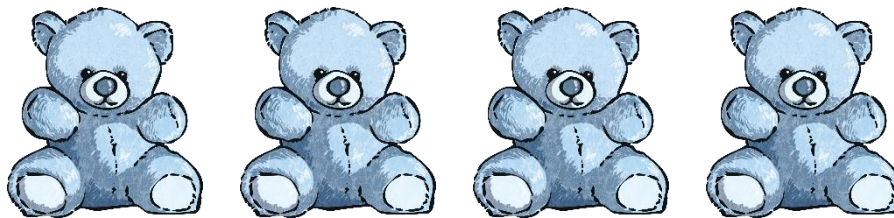
The answer is false. 0.6 or $\frac{6}{10}$ will be represented.

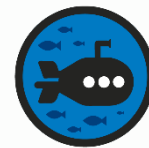


True or false?



Each teddy bear represents a tenth. If I add another two teddy bears, 0.7 will be represented.





True or false?

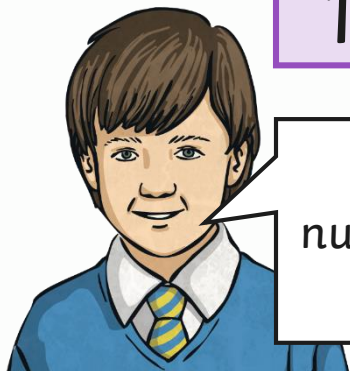
$$\frac{4}{10}$$

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

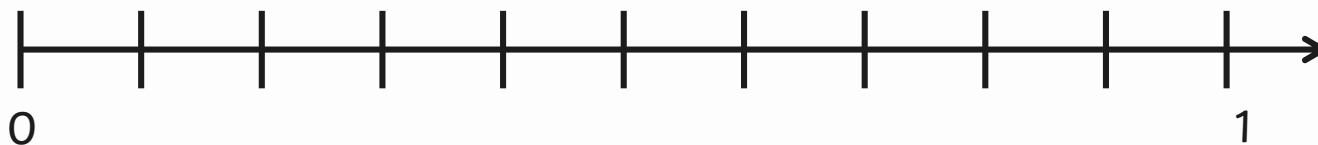
0.3

five-tenths

0.7



If I order the fractions and decimals on a number line from smallest to largest, 0.7 will be the third largest.





True or false?

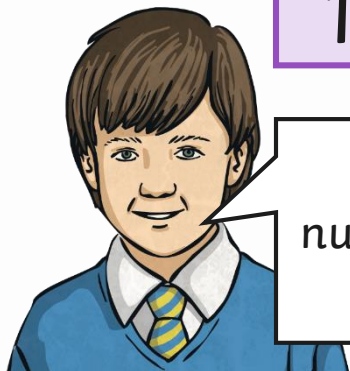
$$\frac{4}{10}$$

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

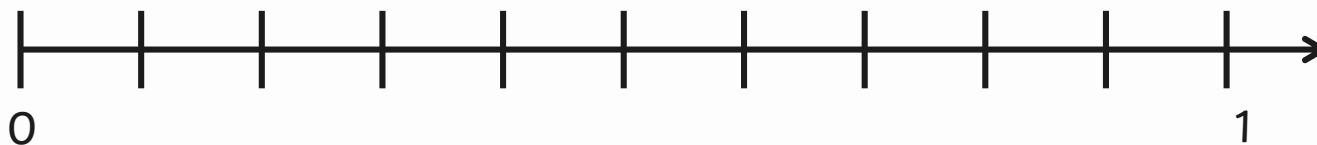
0.3

five-tenths

0.7



If I order the fractions and decimals on a number line from smallest to largest, 0.7 will be the third largest.



False. 0.7 is the largest decimal fraction when ordered.

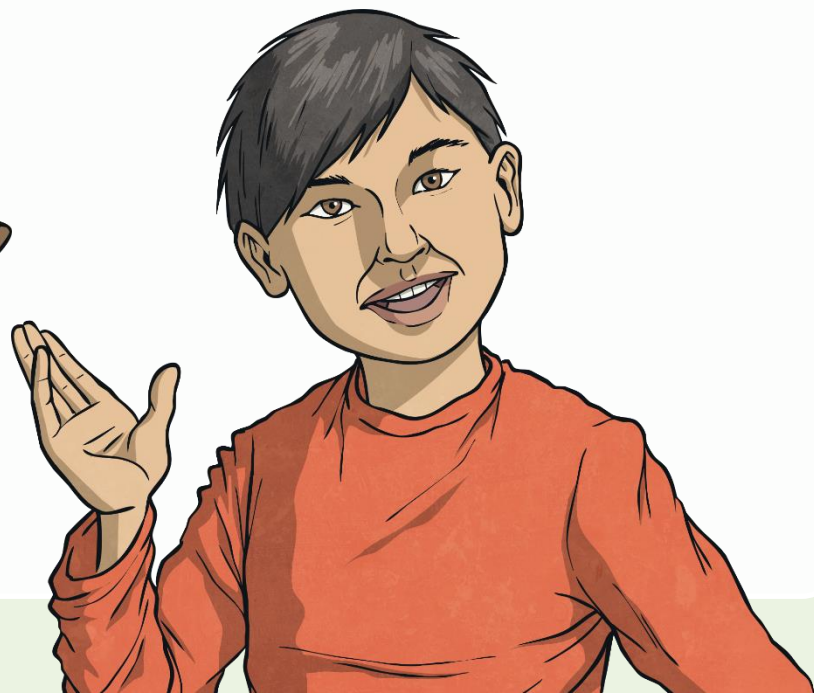


Sunny and Jared are counting up and down in tenths.

Sunny starts at 1.4 and counts backwards.

Jared starts at 0.6 and counts forwards.

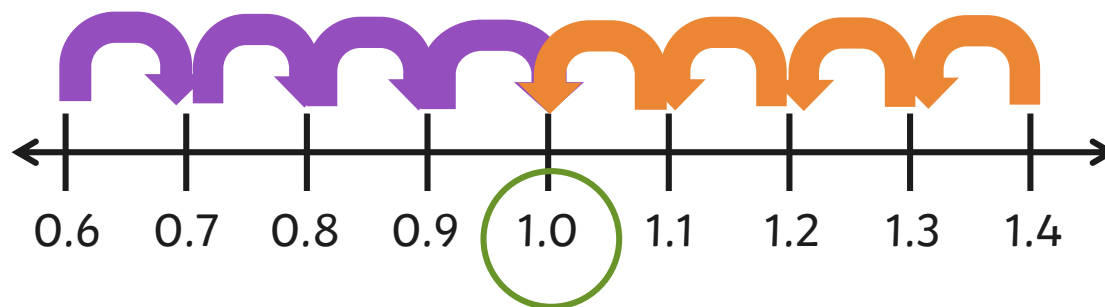
What decimal will they reach at the same time?
Draw then explain your answer.





Sunny starts at 1.4 and counts backwards.

Jared starts at 0.6 and counts forwards.



The answer is 1.0. If they each take equal turns, they will reach 1.0 at the same time.