

28.01.21 Fluent in five

1) $365.4 - 149.9 =$

2) $24 \div (6 \times 2) =$

3) $208 + 7 =$

4) $6064 \times 25 =$

5) $\frac{6}{8} \times \frac{1}{2} =$

6) $480 \div 60 =$

1) $57.7 - 12.9 =$

2) $12 \div (1 + 3) =$

3) $462 \times 4 =$

4) $48 \div 6 =$

5) $960.4 + 104 \cdot 6 =$

WALT interpret decimals as fractions

 <https://vimeo.com/490693175>

Let's look at 0.1

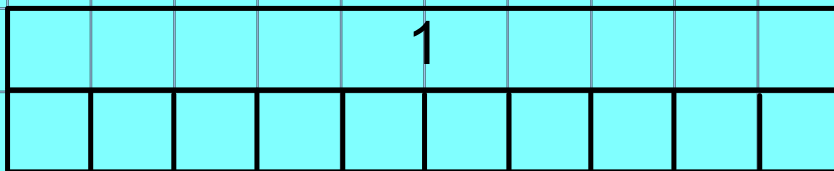
How would we say 0.1?

We can prove it on a bar model

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

=

0.1

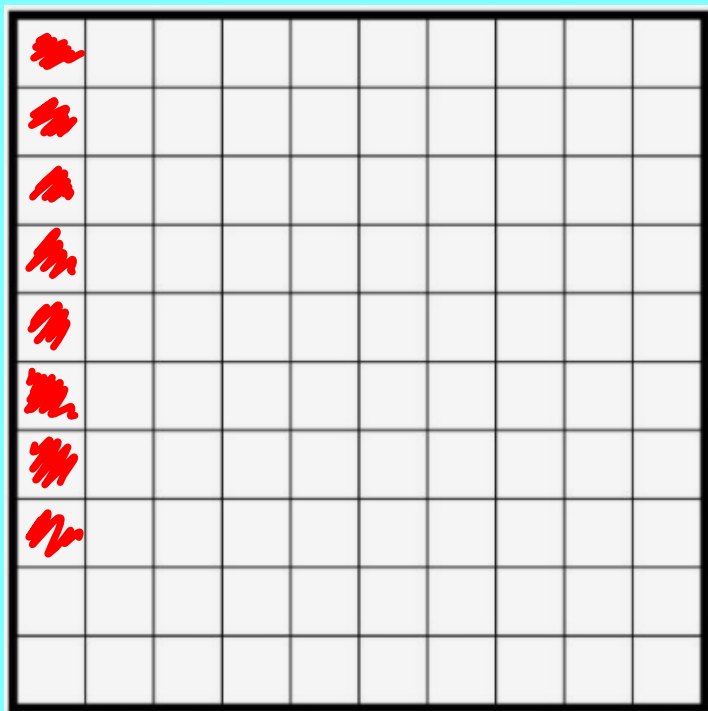


Use this to tell me

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

= 0.7

What other fraction decimal equivalents do we know already?

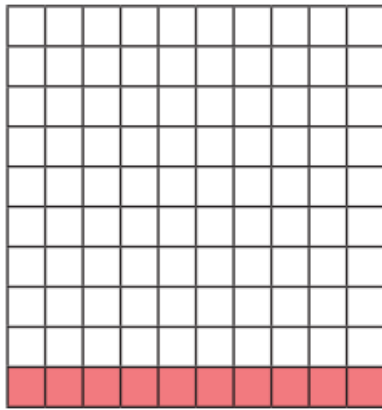


How much of the
grid is shaded?
How could we
represent that?

nn	nn								
nn	nn								
nn	nn								
nn	nn								
nn	nn								
nn	nn								
nn	nn								
nn	nn	nn							
nn	nn	nn							
nn	nn	nn							

What about now?

Let's fill this in together.



The whole has been divided into equal parts.

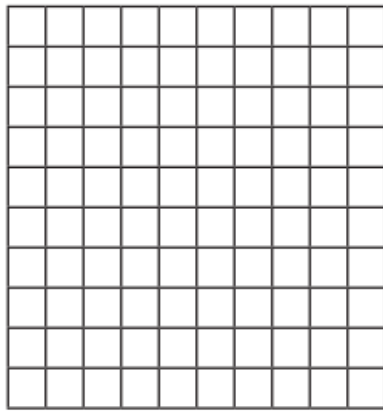
Each part is worth

parts out of are shaded.

This is equivalent to

And this one

Shade 0.17 of the hundred square.



Complete the sentence.

parts out of are shaded.

Write 0.17 as a fraction.

0.17 =

Have a go at these on your own.

$$0.54 = \frac{\boxed{}}{100} = \frac{\boxed{}}{50}$$

$$0.6 = \frac{\boxed{}}{10} = \frac{\boxed{}}{5}$$

$$0.3 = \frac{\boxed{}}{10} = \frac{\boxed{}}{100}$$

$$\boxed{} = \frac{9}{100}$$

$$\boxed{} = \frac{9}{10}$$


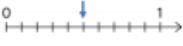
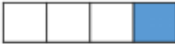
$$\frac{21}{50} = \frac{\boxed{}}{100} = \boxed{}$$

Varied Fluency

- What decimal is shaded?
Can you write this as a fraction?

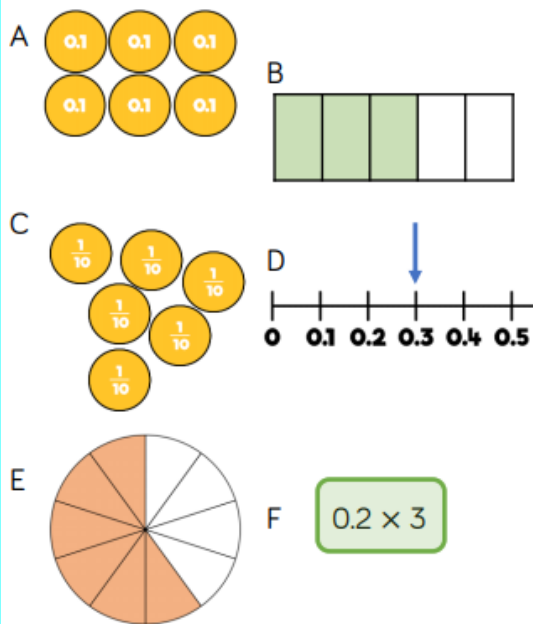
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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- Complete the table.

Decimal	Fraction in tenths or hundredths	Simplified fraction
0.6	$\frac{6}{10}$	$\frac{3}{5}$
		
		
0.95		

- Three friends share a pizza. Sam ate 0.25 of the pizza, Mark ate 0.3 of the pizza and Jill ate 0.35 of the pizza.
- Can you write the amount each child ate as a fraction?
 - What fraction of the pizza is left?

Odd one out.



Which is the odd one out and why?

Alex says,

0.84 is equivalent to $\frac{84}{10}$



Do you agree?
Explain why.