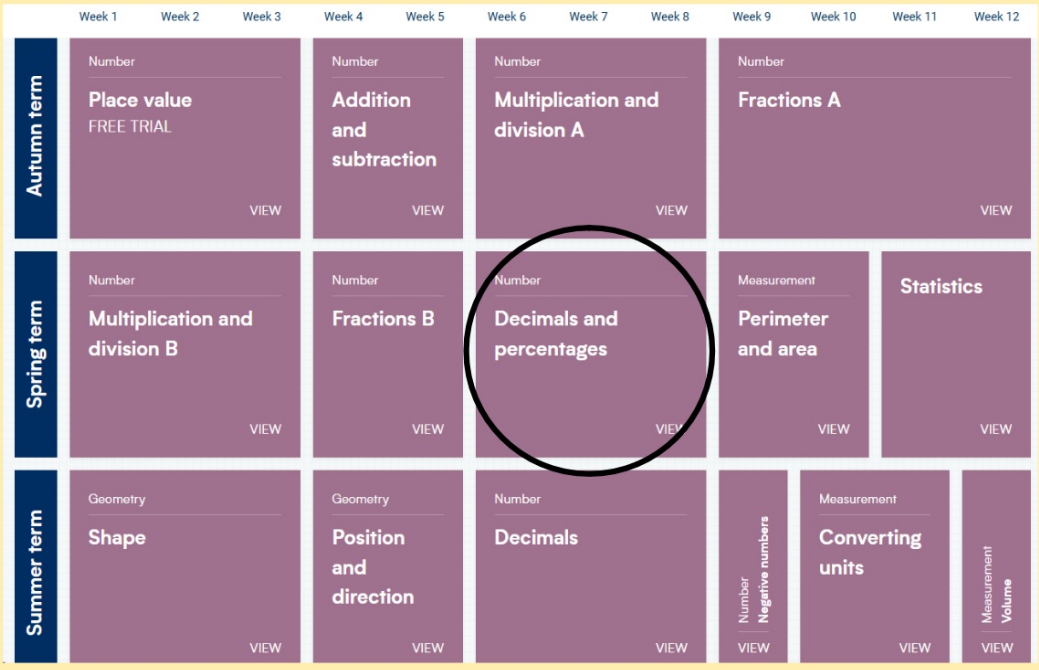
30.01.25

Welcome to the Year 5 Parents' Math Workshop

Fractions and decimals

Today we will be discussing how to:

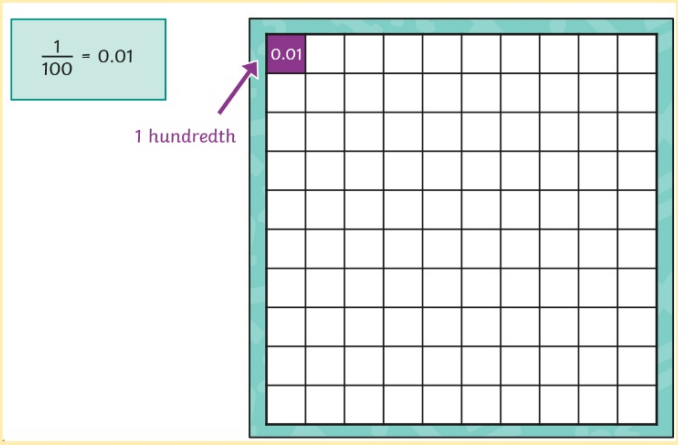
- recognise equivalent fractions and decimals



Representations

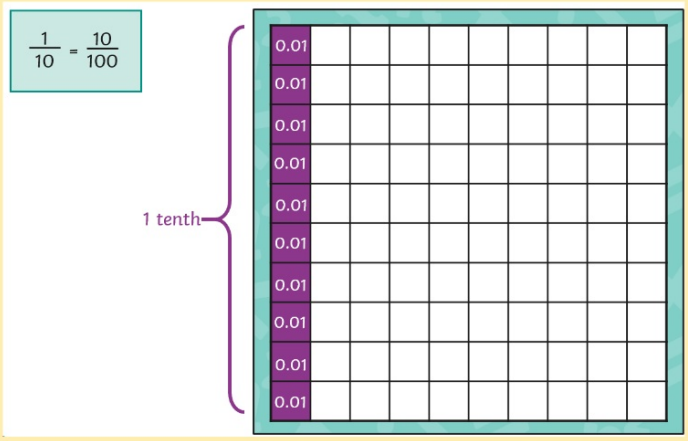
We can represent **hundredths** on a 100 grid.

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

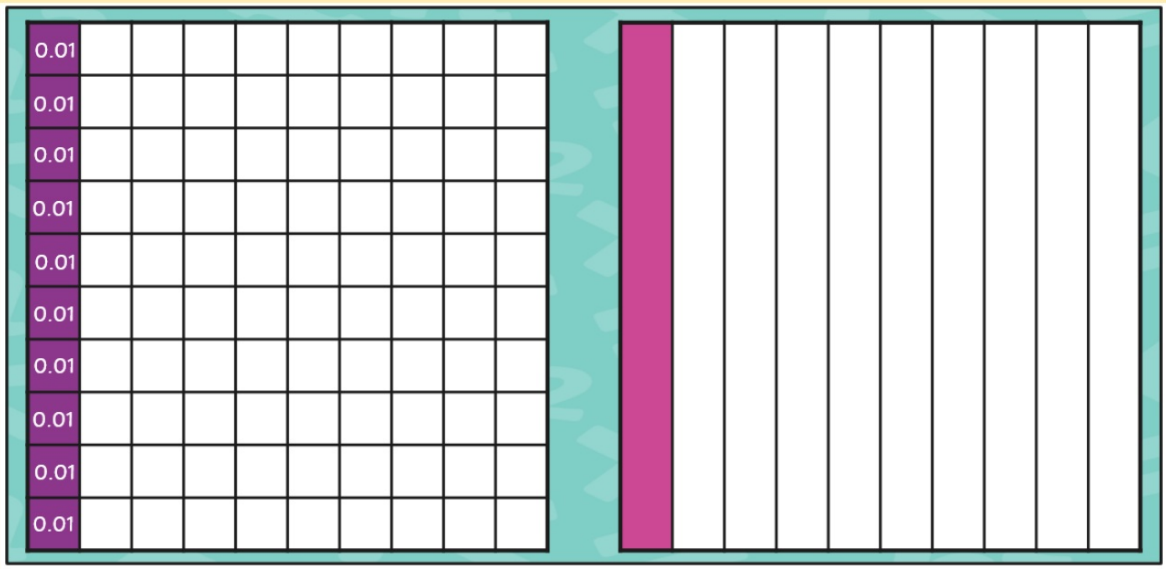


We can also represent **tenths** on a 100 grid.

$\frac{1}{10} = \frac{10}{100}$



10 hundredths are equal to 1 tenth.



$\frac{10}{100} = \frac{1}{10} = 0.1$

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

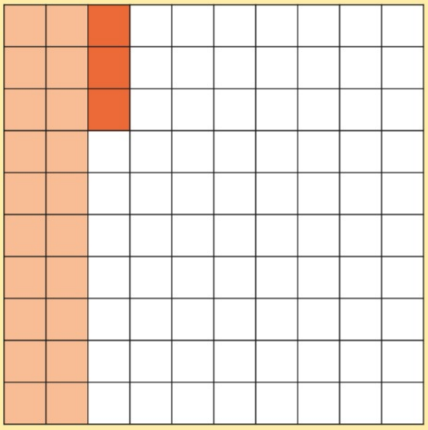
How many tenths and hundredths are shaded?

Word

☐ tenths and ☐ hundredths or ☐ hundredths

Fraction

Decimal

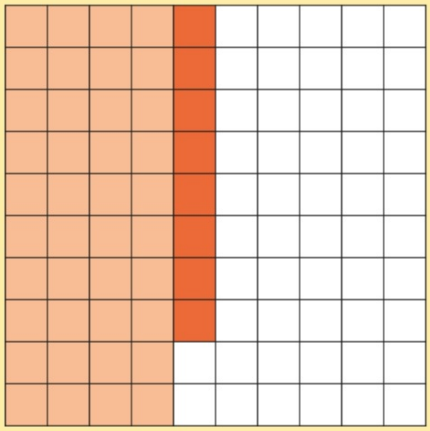


Word

☐ tenths and ☐ hundredths or ☐ hundredths

Fraction

Decimal



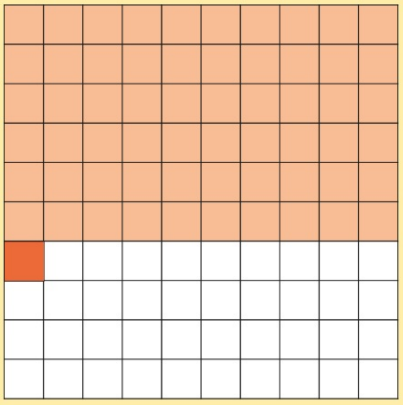
How many tenths and hundredths are shaded?

Word

☐ tenths and ☐ hundredth or ☐ hundredths

Fraction

Decimal

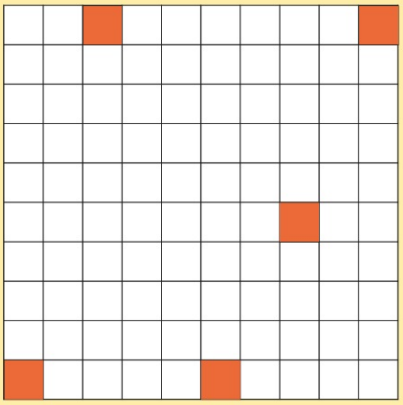


Word

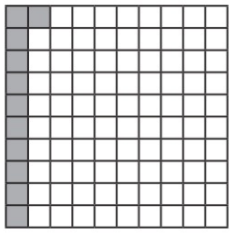
☐ tenths and ☐ hundredths or ☐ hundredths

Fraction

Decimal

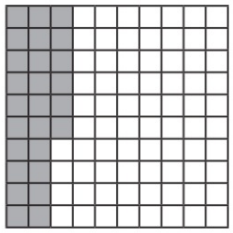


Task 1 - For all the squares below, write the fraction shaded both as a fraction and a decimal fraction. The first one has been done for you.

1. 

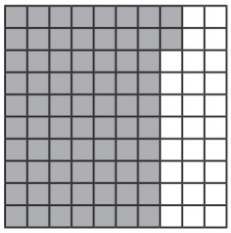
Fraction: $\frac{11}{100}$

Decimal: **0.11**

2. 

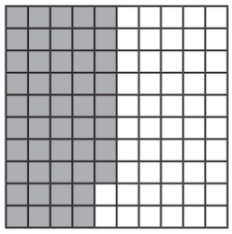
Fraction: _____

Decimal: _____

3. 

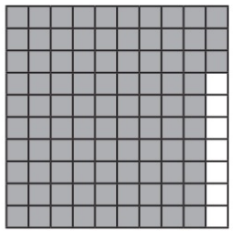
Fraction: _____

Decimal: _____

4. 

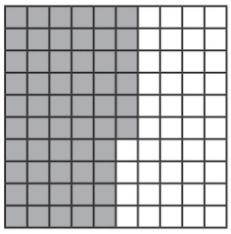
Fraction: _____

Decimal: _____

5. 

Fraction: _____

Decimal: _____

6. 

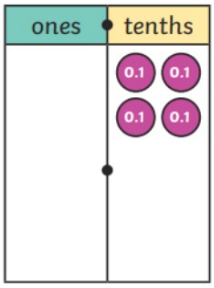
Fraction: _____

Decimal: _____

Task 2 - Write a fraction and a decimal to match the number represented on the place value chart.

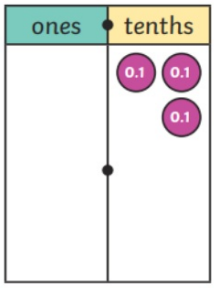
1) Write a fraction and a decimal to match the number represented on the place value chart.

a)

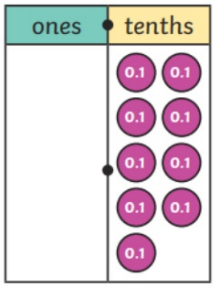


$\frac{4}{10} = 0.4$

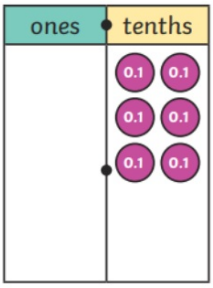
b)



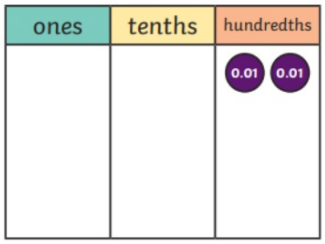
c)



d)

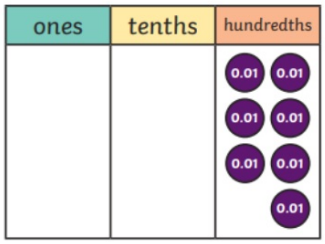


e)

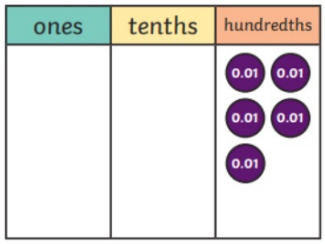


$\frac{2}{100} = 0.02$

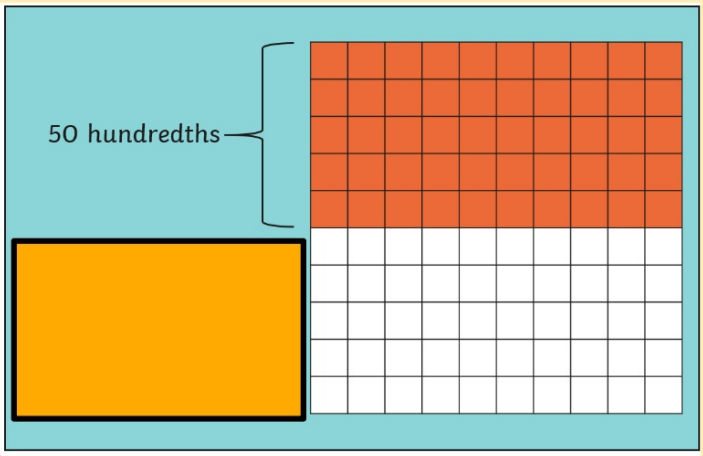
f)



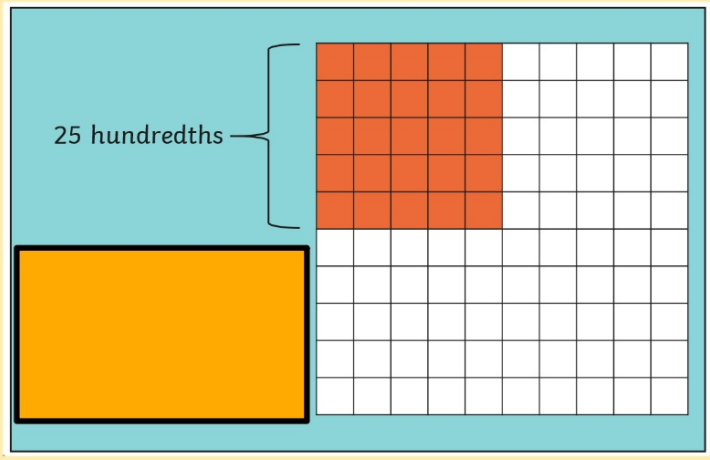
g)



We can represent **one-half** on a hundredths grid.



We can represent **one-quarter** on a hundredths grid.



We can use our knowledge of equivalent fractions to write fractions as decimals.

$$\frac{7}{20} = \frac{\quad}{100}$$

First, let's find the equivalent fraction that has a denominator of 100.

Next, we need to do the same to the numerator.

Now we can write it a decimal.

$$\frac{3}{25} = \frac{\quad}{100}$$

Thank you for coming.

Please could you take a few minutes to fill out this questionnaire.