# WALT write decimals as fractions.

WILF:

- Recognise that decimals are parts of a whole.

- Use your place value to identify ones, tenths and hundredths represented in decimals.
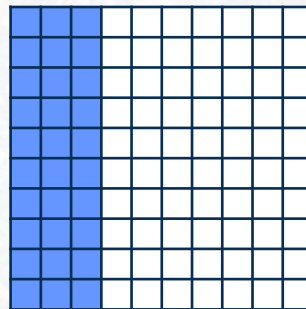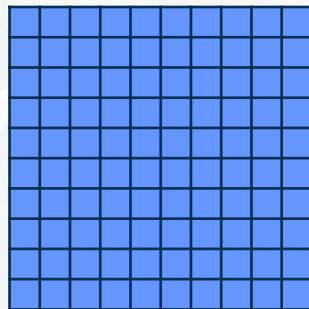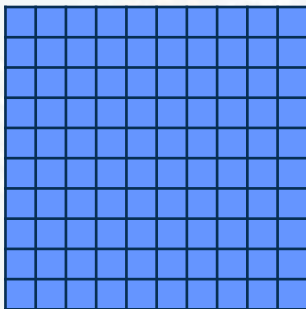
- Read and write decimal numbers as fractions.

Whoa.

Have a look at the hundred squares and the fractions.
Using yesterday's learning, can you fill in the fractions and convert them to decimals? Use a place value column if you get stuck.
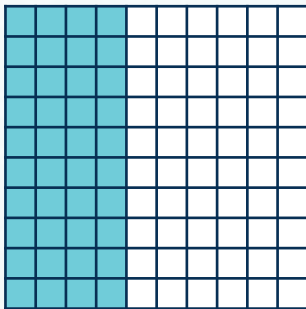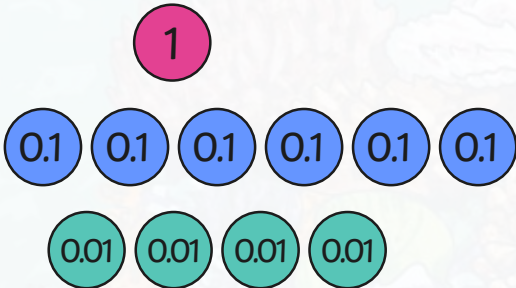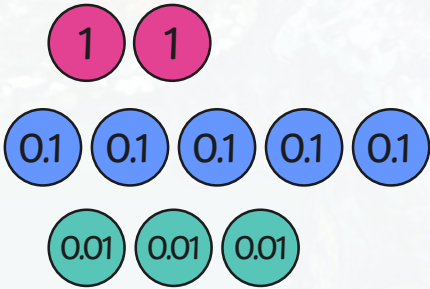

$$\frac{40}{100} = \frac{}{10} \quad =$$

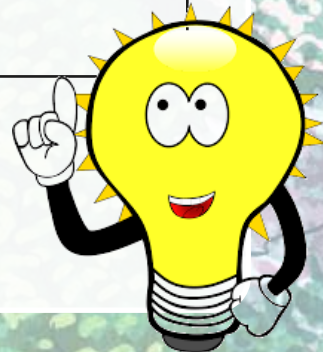$$\frac{230}{100} = 2\frac{}{100} = 2\frac{3}{} \quad =$$

HINT: how many wholes are there? How many parts of a whole are there?

This table shows us what values our decimal is made up of.
In row one we have 1 whole (one), 6 tenths and 4 hundredths.

Place Value Counters	Decimal	Decimal Expanded
1 0.1 0.1 0.1 0.1 0.1 0.1 0.01 0.01 0.01 0.01	1.64	1 + 0.6 + 0.04
1 1 0.1 0.1 0.1 0.1 0.1 0.01 0.01 0.01	2.53	2 + 0.5 + 0.03

What is being shown in row 2?
What would it be as a fraction?

Have a look at this table.
Can you complete the second row's words and fraction?

Words	Fraction	Fraction Expanded
Three ones, six tenths, eight hundredths	$3\frac{68}{100}$	$1 + \frac{6}{10} + \frac{8}{100}$
	—	$2 + \frac{3}{10} + \frac{7}{100}$

Now convert the second fraction into a decimal. How many ones, tenths and hundredths?
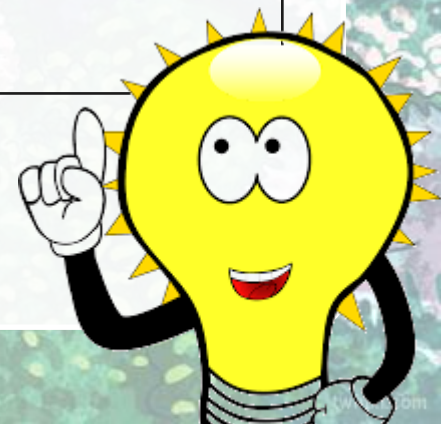
I'm thinking of a number. The number contains the digits 4, 7 and 2.

The number contains 2 decimal places. The number is greater than 3 and the tenths digit is greater than the hundredths digit.

Whoa.

What could the number be?
Could there be more than
one possible answer?

Extra challenge: What extra clue could
you write which would mean
the number could be only 7.42?

THINKING CAP

Mark with a dot roughly where 4.75 is on each of these number lines.

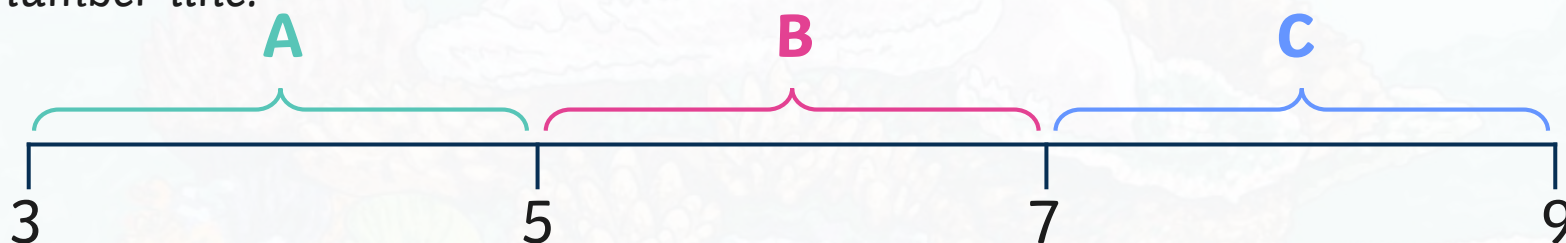0   8

2   8

Write three numbers with 2 decimal places (e.g. 2.13), and an equivalent mixed number fraction (e.g. $2 \frac{1}{4}$), that would fit in the sections of the number line.
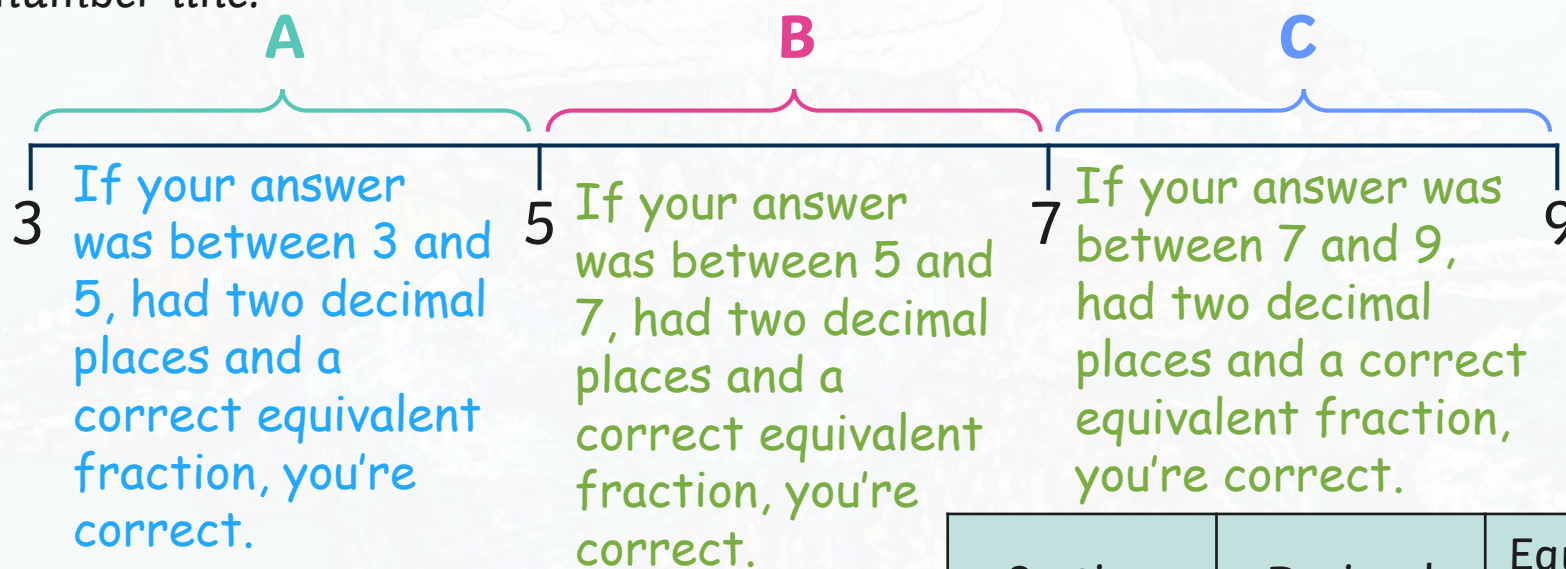
A   **B**   **C**

3   5   7   9

There are lots of possible answers.

Twinkl

Write three numbers with 2 decimal places (e.g. 2.13), and an equivalent mixed number fraction (e.g. $2\frac{1}{4}$), that would fit in the sections of the number line.
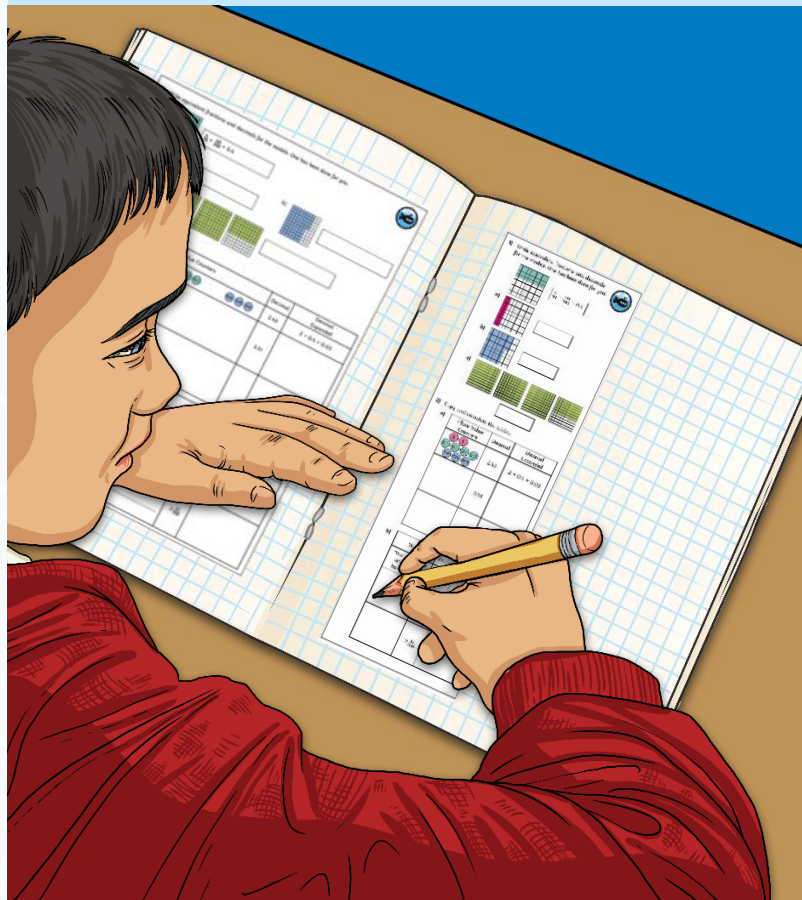
A   **B**   **C**

3   If your answer was between 3 and 5, had two decimal places and a correct equivalent fraction, you're correct.   5   If your answer was between 5 and 7, had two decimal places and a correct equivalent fraction, you're correct.   7   If your answer was between 7 and 9, had two decimal places and a correct equivalent fraction, you're correct.   9

Example ->

Section	Decimal	Equivalent Fraction
A	4.45	$4\frac{45}{100}$
B	5.79	$5\frac{79}{100}$
C	7.04	$7\frac{4}{100}$

Dive in by completing today's activity!