27.04.20

WALT recognise thousandths as decimal equivalents.

WILF:

- Understand what thousandths are

- Use thousandths in a place value column.

- Show thousandths as decimals.

Understand thousandths

 = 1 whole

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

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

 = $\frac{1}{1000}$ or 0.001

What number is being represented below?

.

Earlier in Year 5, you looked at your place value columns with tenths and hundredths.
Today, we are adding thousandths to your knowledge!
Thousandths are **ten times** smaller than hundredths.
Just like tenths and hundredths, they are smaller than 0, so are represented as a decimal.
Have a go at counting the dienes to find the number represented.

Understand thousandths

 = 1 whole

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

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

 $= \frac{1}{1000}$ or 0.001

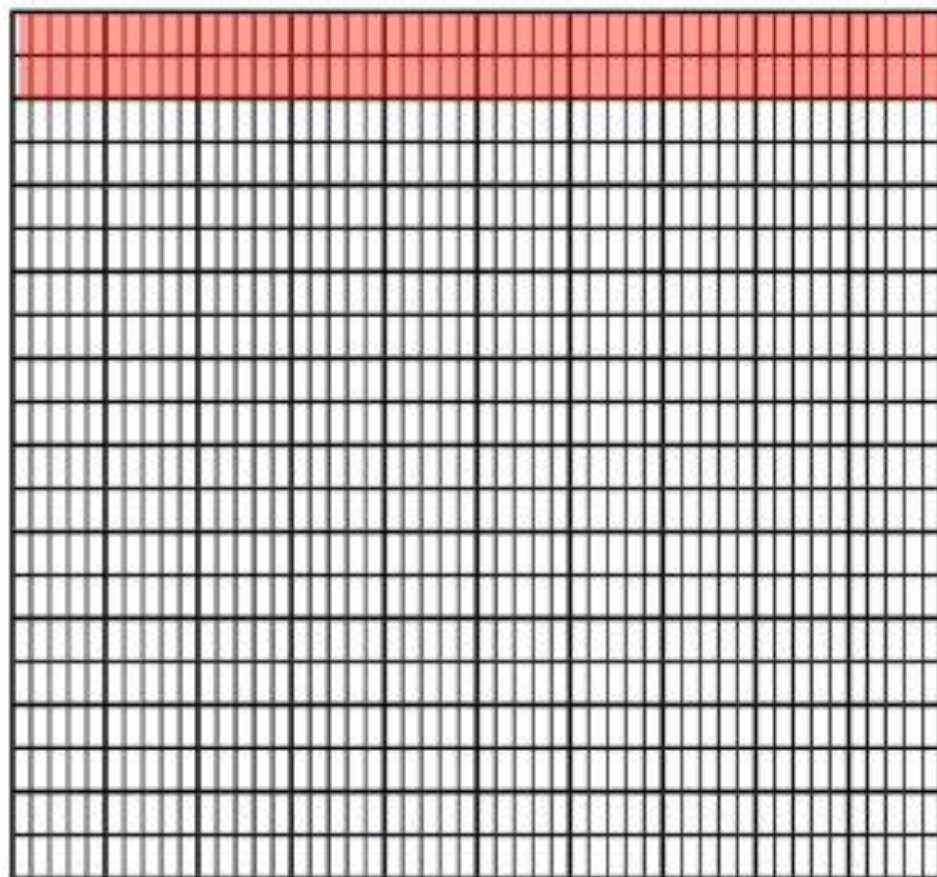There are 2 wholes, 3 tenths, 2 hundredths and 5 thousandths.

2 . 3 2 5

The number is _____.

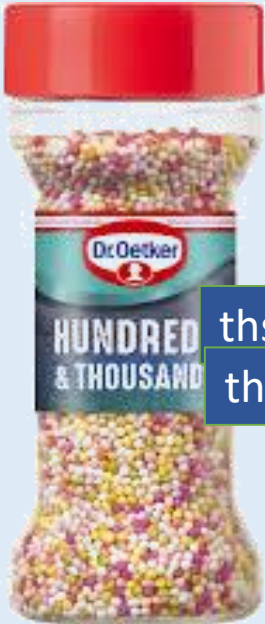# Here is a thousand square.

$$\frac{100}{1000} = \frac{1}{10}$$

0.1

On a place value column, your thousandths slot in right next to the hundredths.

Your decimal point goes here!

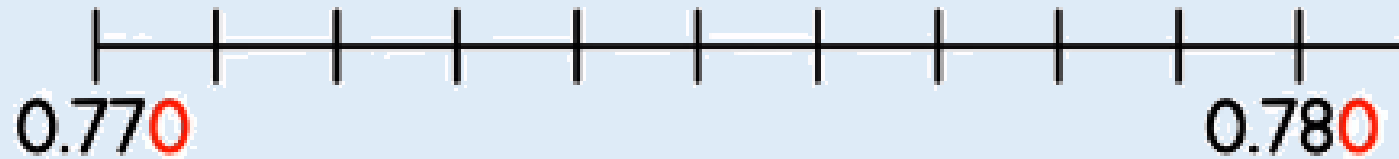| Ones	Tenths	Hundredths	Thousandths

ths
ths

Sprinkles just got smaller!

Can you add 3.198 to the place value columns?

# Let's look at it on a numberline...

Decimals which are tenths or hundredths can have a 0 as a place holder in the thousandths column.

0.770   0.780

That means that if you have 0.77 and 0.78 on a number line, and someone asks you to add 0.775, you can add a zero as a place holder on each side to help you see the thousandths.

You must then count the spaces on the number line to see how many spaces are between the two numbers.
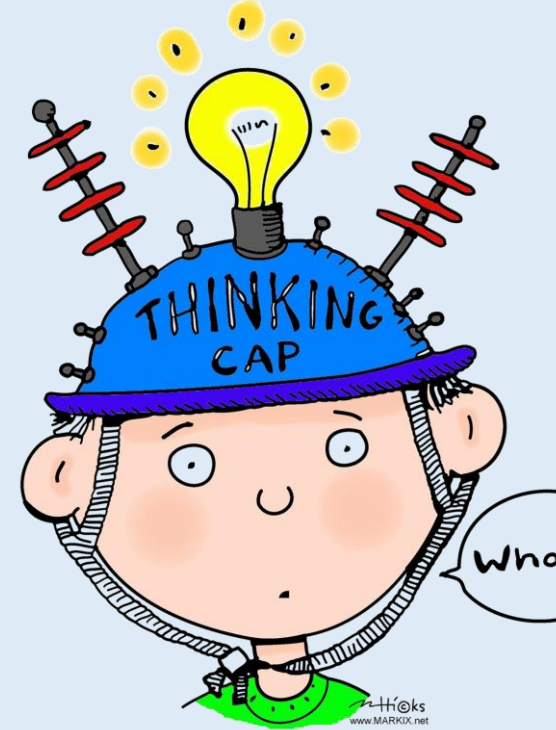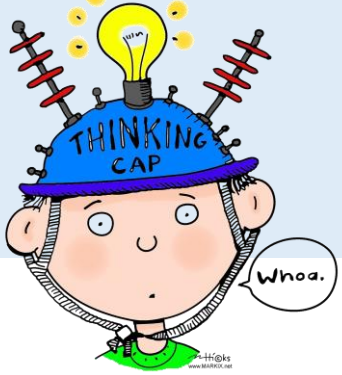
+ 0.001

0.77**0**   0.78**0**
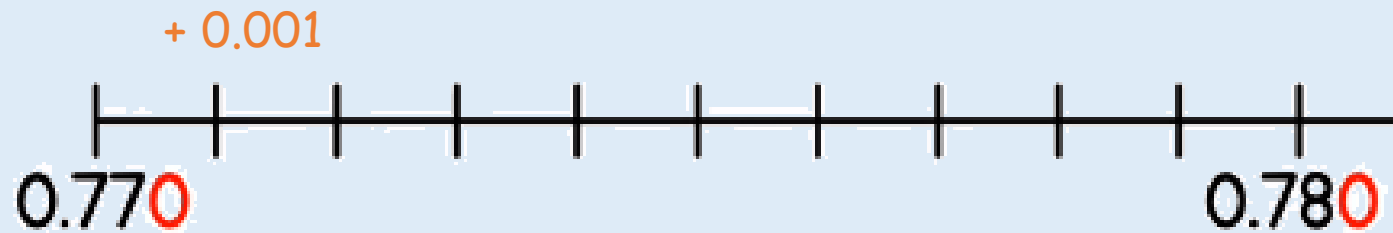
There are 10 spaces, so each line is an extra thousandth.

Where would 0.775 go?

+ 0.001

0.77**0**   0.775   0.78**0**
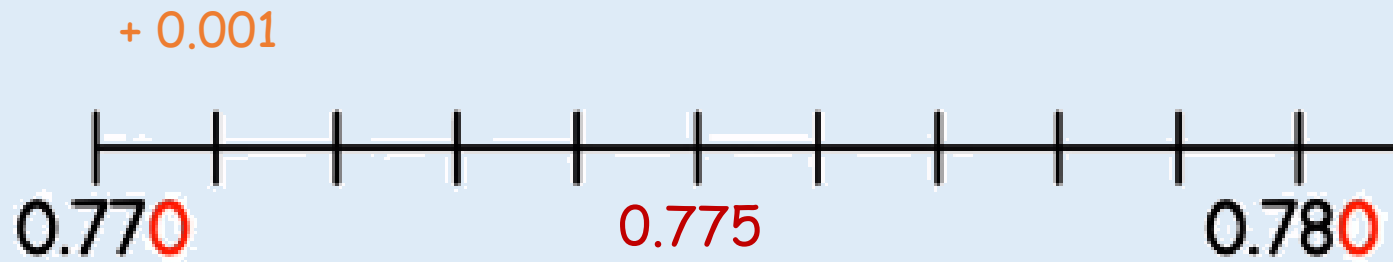
Where would 0.772 go?

Fractions as decimals

$$\frac{4}{1000} + \frac{9}{10} = 0.904$$

$$\frac{9}{10} = 9 \text{ tenths} = 0.9$$

0 hundredths

$$\frac{4}{1000} = 4 \text{ thousandths} = 0.004$$

Last week, we looked at tenths and hundredths as fractions and decimals.

Thousandths are also fractions with a decimal equivalent.

Therefore, we can use our place value and fraction knowledge to add fractions and get a decimal.

Start with the tenths, then go to the hundredths, then look at the thousandths when doing this.

If you are confused, please watch this:
https://safeYouTube.net/w/uvp7

Have a go at today's work.