Maths

Fractions

Problems with Tenths

Aim

- I can solve problems involving tenths.

Success Criteria

- I can recognise tenths.
- I can measure using tenths.
- I can put tenths in size order.

Counting Tenths

We are going to count up and down in tenths.

Counting Tenths

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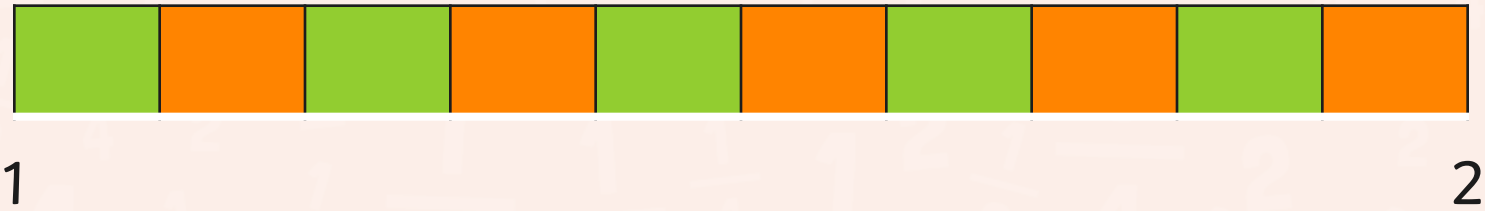


Counting Tenths

We are going to count up and down in tenths.

5 6

Counting Tenths

We are going to count up and down in tenths.

$3\frac{4}{10}$

Counting Tenths

We are going to count up and down in tenths.

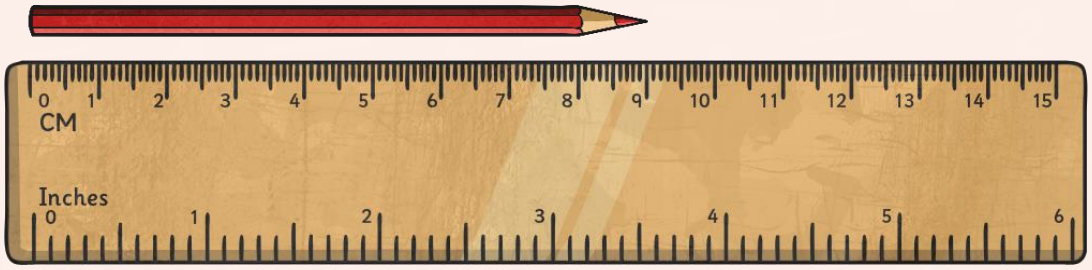
$7\frac{6}{10}$

Counting Tenths

We are going to count up and down in tenths.

Measuring

How could we measure the red pencil?



You can measure with a ruler.

Line up the end of the pencil with the mark that shows 0 on the ruler.

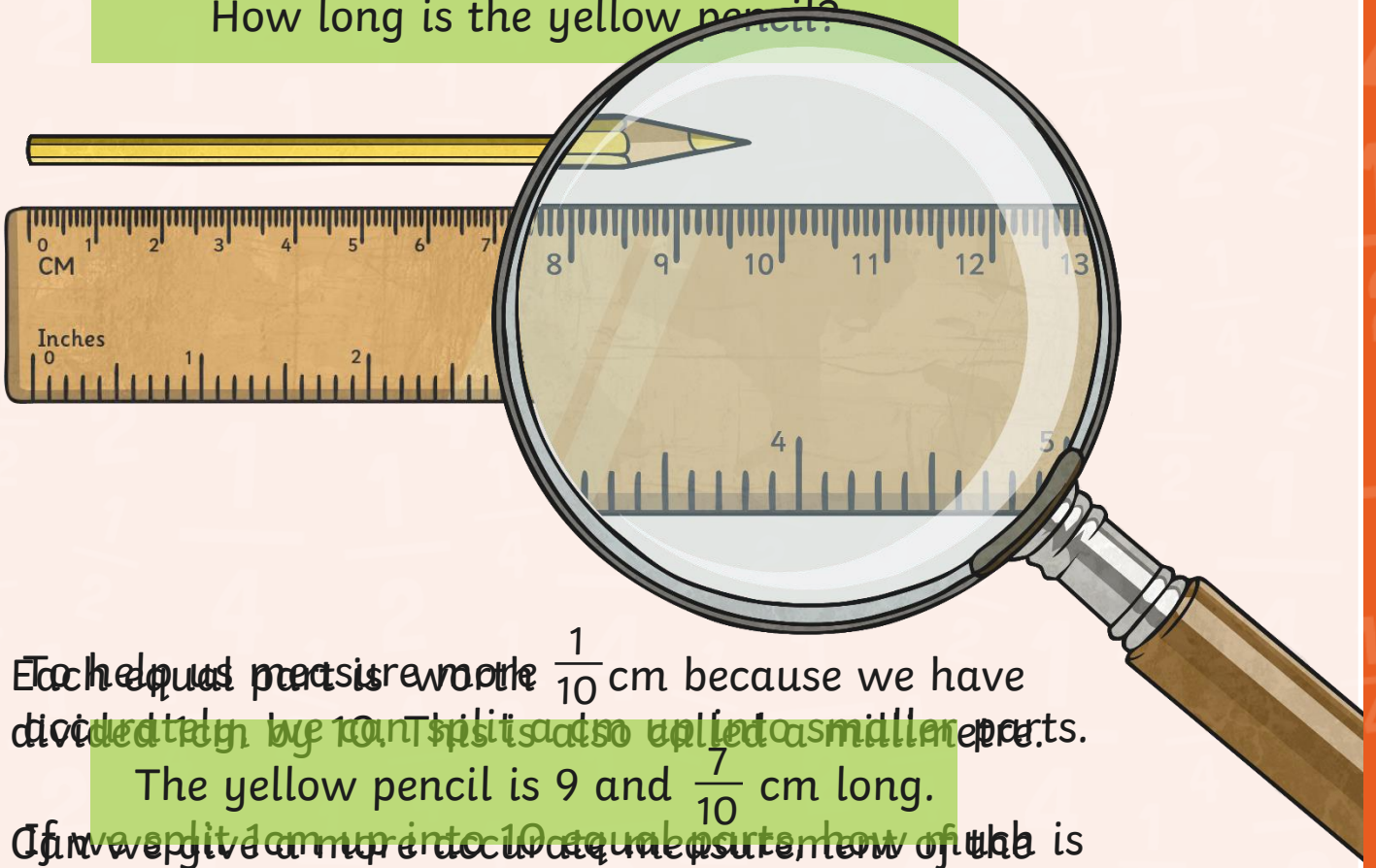
Read the number that lines up with the other end of the pencil.

The red pencil is 9cm long.

Measuring

Whole Class

How long is the yellow pencil?



To help us measure more accurately we split 1cm up into 10 equal parts.

Each equal part is worth $\frac{1}{10}$ cm because we have divided 1cm by 10. This is also called a millimetre.

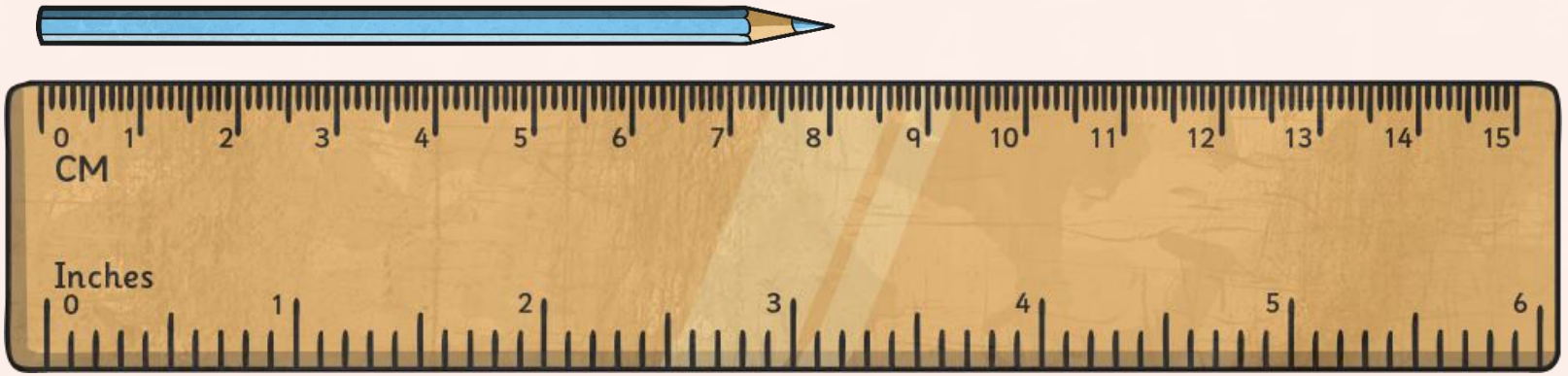
The yellow pencil is 9 and $\frac{7}{10}$ cm long.

Can we give a more accurate measurement of the yellow pencil now?

If we split 1cm up into 10 equal parts how much is each equal part worth?

Measuring with Fractions

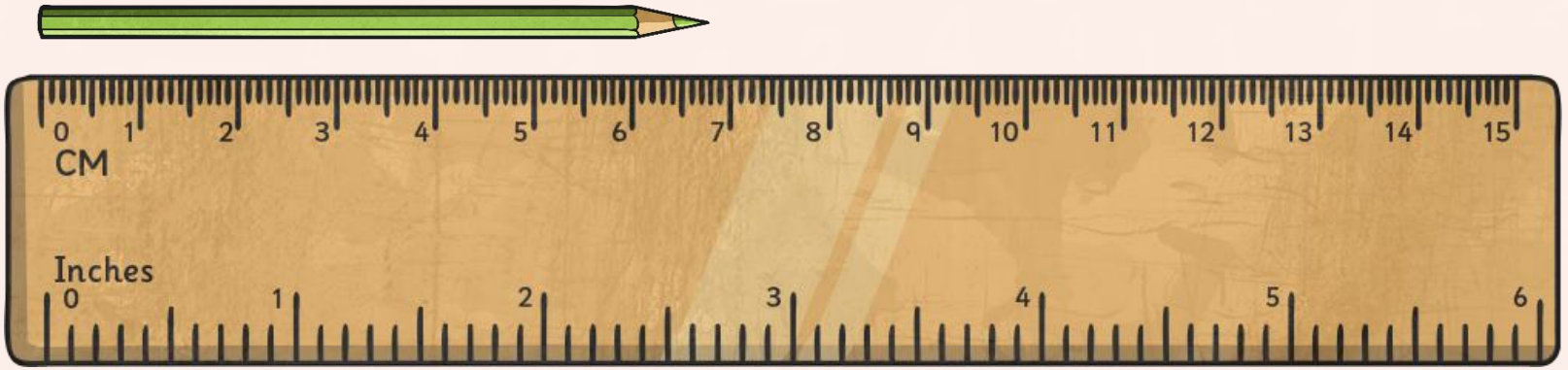
How long is this pencil?



The blue pencil is 8 and $\frac{1}{10}$ cm long.

Measuring with Fractions

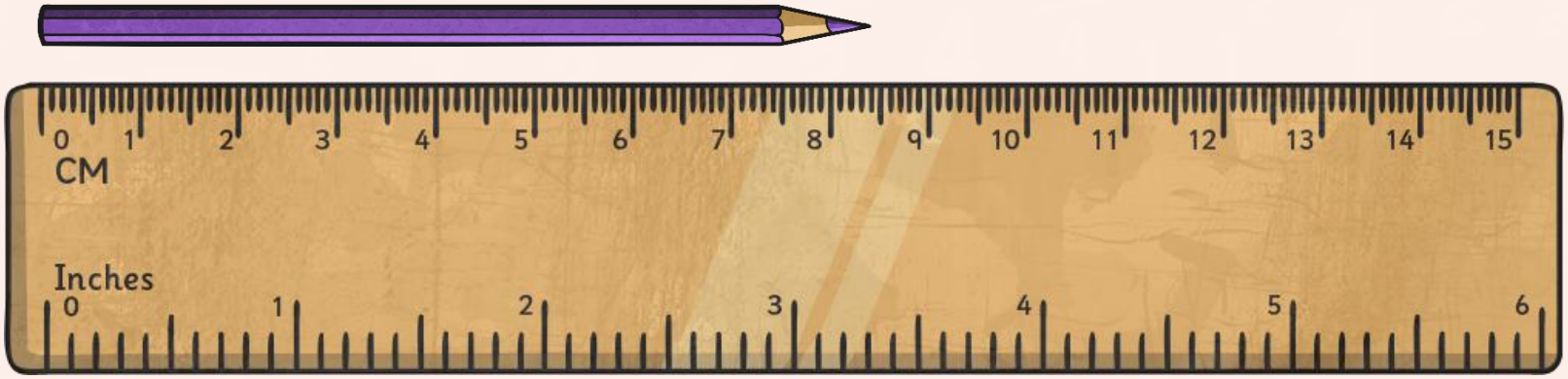
How long is this pencil?



The green pencil is 6 and $\frac{8}{10}$ cm long.

Measuring with Fractions

How long is this pencil?



The blue pencil is 8 and $\frac{4}{10}$ cm long.

Measuring with Fractions

Can you put the pencils in size order starting with the smallest?

The yellow pencil is $9\frac{7}{10}$ cm.

The blue pencil is $8\frac{1}{10}$ cm.

The green pencil is $6\frac{8}{10}$ cm.

The purple pencil is $8\frac{4}{10}$ cm.

The red pencil is 9 cm.

Wriggling Worms

Isaac has **12 pet worms**. He needs to put his worms in size order.

As they don't like to be out of their wormery for very long, Isaac can only take one worm out at a time.

Some of Isaac's worms are very similar in size so accurate measuring is important.

Measure all of Isaac's worms and write down how long they are.

Worms Line-Up!

Whole Class

Organise the worms into size order from the smallest to the largest.

The red worm is $8\frac{5}{10}$ cm.

The turquoise worm is $6\frac{2}{10}$ cm.

The orange worm is $7\frac{6}{10}$ cm.

The light blue worm is $5\frac{6}{10}$ cm.

The yellow worm is $5\frac{8}{10}$ cm.

The dark blue worm is $9\frac{8}{10}$ cm.

The light green worm is $10\frac{4}{10}$ cm.

The purple worm is $9\frac{7}{10}$ cm.

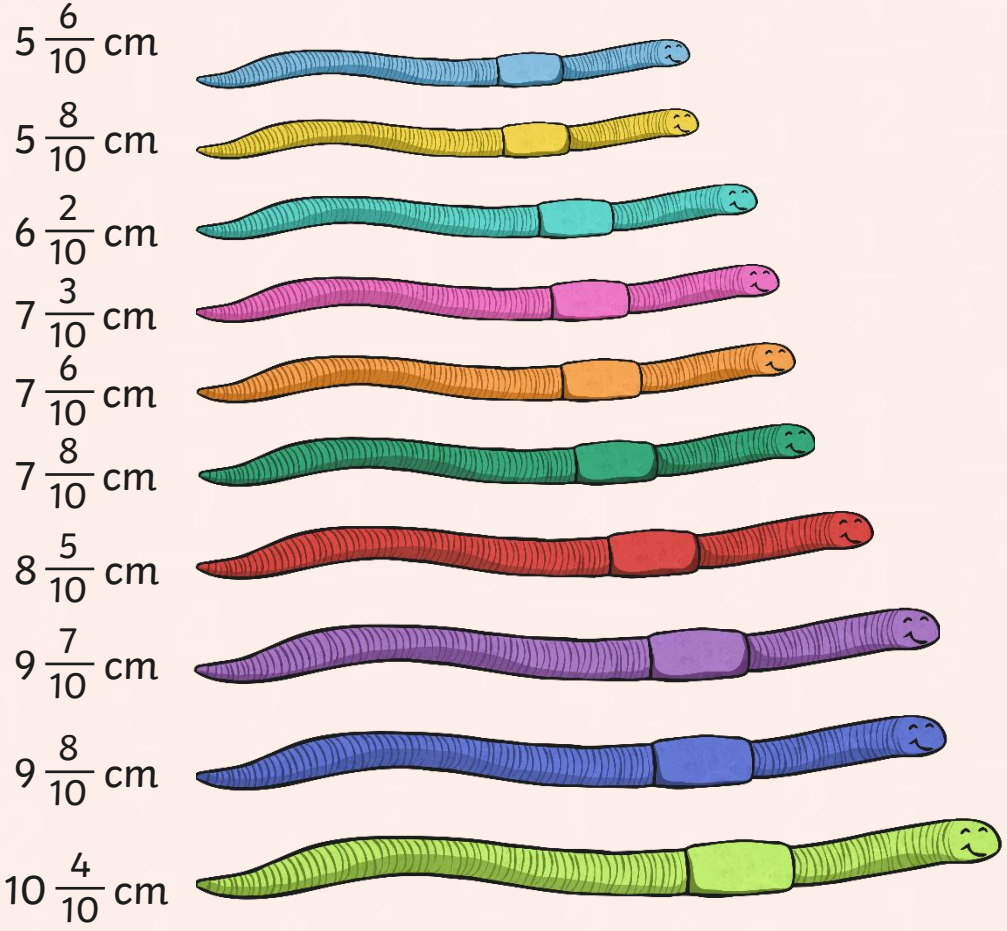
The dark green worm is $7\frac{8}{10}$ cm.

The pink worm is $7\frac{3}{10}$ cm.

Worms Line-Up!

Whole Class

Smallest



Largest

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