

Let's measure!

Today we will be:

Using rulers to measure length and height.

NEXT

Starter

Say the rhyme and
remember your
double number
facts!



Double one
is two!

$$1+1=2$$

$$2+2=4$$

Double two
is four!

Double three
is six!

$$3+3=6$$

$$4+4=8$$

Double four
is eight!

Double five
is ten!

$$5+5=10$$

$$6+6=12$$

Double six
is twelve!

Double seven
is fourteen!

$$7+7=14$$

$$8+8=16$$

Double eight
is sixteen!

Double nine
is eighteen!

$$9+9=18$$

$$10+10=20$$

Double ten
is twenty!

BACK

NEXT

Starter

Say the rhyme
and remember
your half number
facts!



Half of two
is one!

$$2 \div 2 = 1$$

$$4 \div 2 = 2$$

Half of four
is two!

Half of six
is three!

$$6 \div 2 = 3$$

$$8 \div 2 = 4$$

Half of eight
is four!

Half of ten
is five!

$$10 \div 2 = 5$$

$12 \div 2 = 6$ Half of twelve
is six!

Half of fourteen
is seven! $14 \div 2 = 7$

$16 \div 2 = 8$ Half of sixteen
is eight!

Half of eighteen
is nine! $18 \div 2 = 9$

$20 \div 2 = 10$ Half of twenty
is ten!

BACK

NEXT

What is this? What does it measure?
What units do they measure?



BACK

NEXT

This is a ruler. It measures the size of things. Rulers can tell you height, width, length and depth of things. This ruler measures in centimetres (cm). It is 30cm long.



BACK

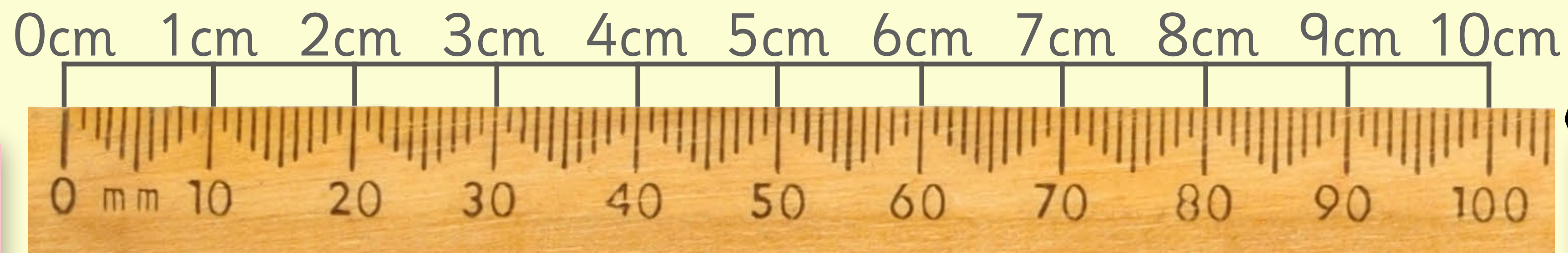
NEXT



This ruler shows centimetres and millimetres.

Millimetres are smaller than centimetres.

10mm is the same as 1cm. 100mm is the same as 10cm. How many millimetres is 5cm?



BACK

NEXT

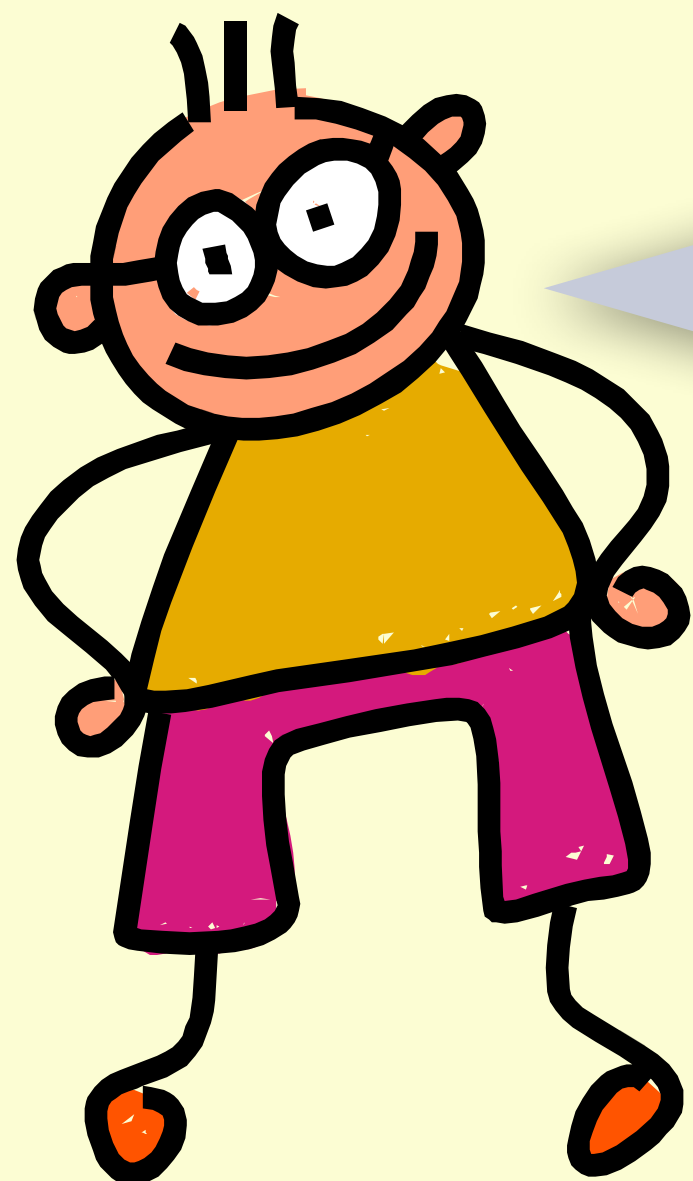


5cm is 50mm. What do you know about this ruler?
Clue: the shorter ruler is 30cm long.



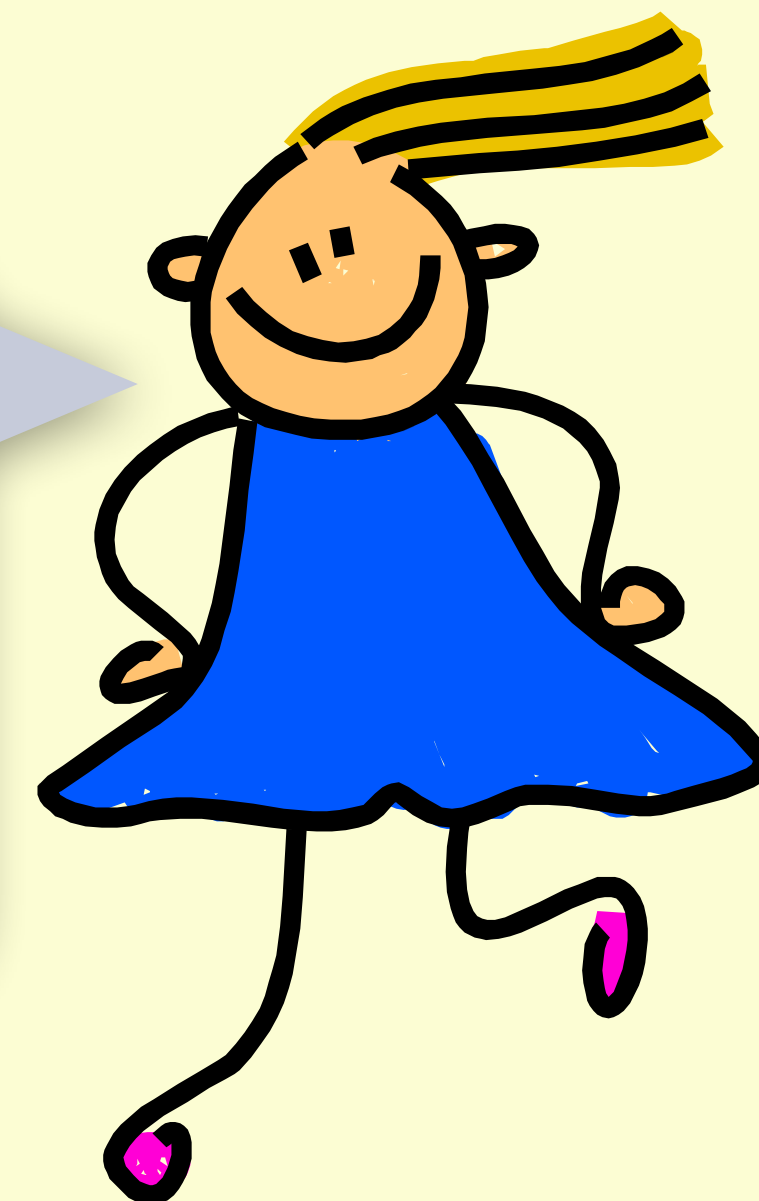
BACK

NEXT



This ruler is 100cm long. 100cm is the same as 1m. Centimetres are smaller than metres.

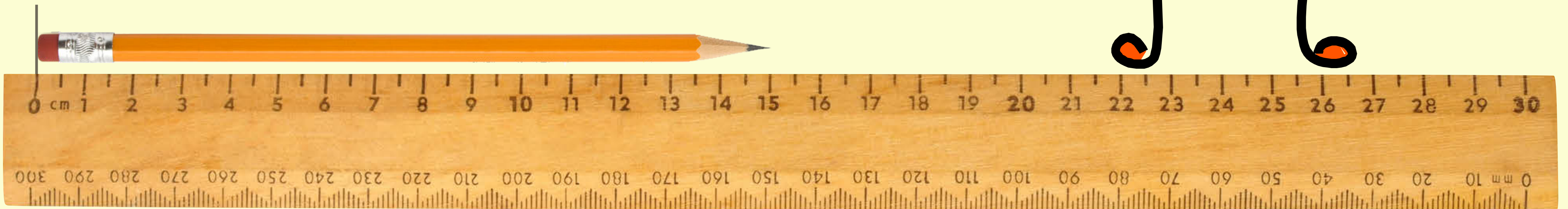
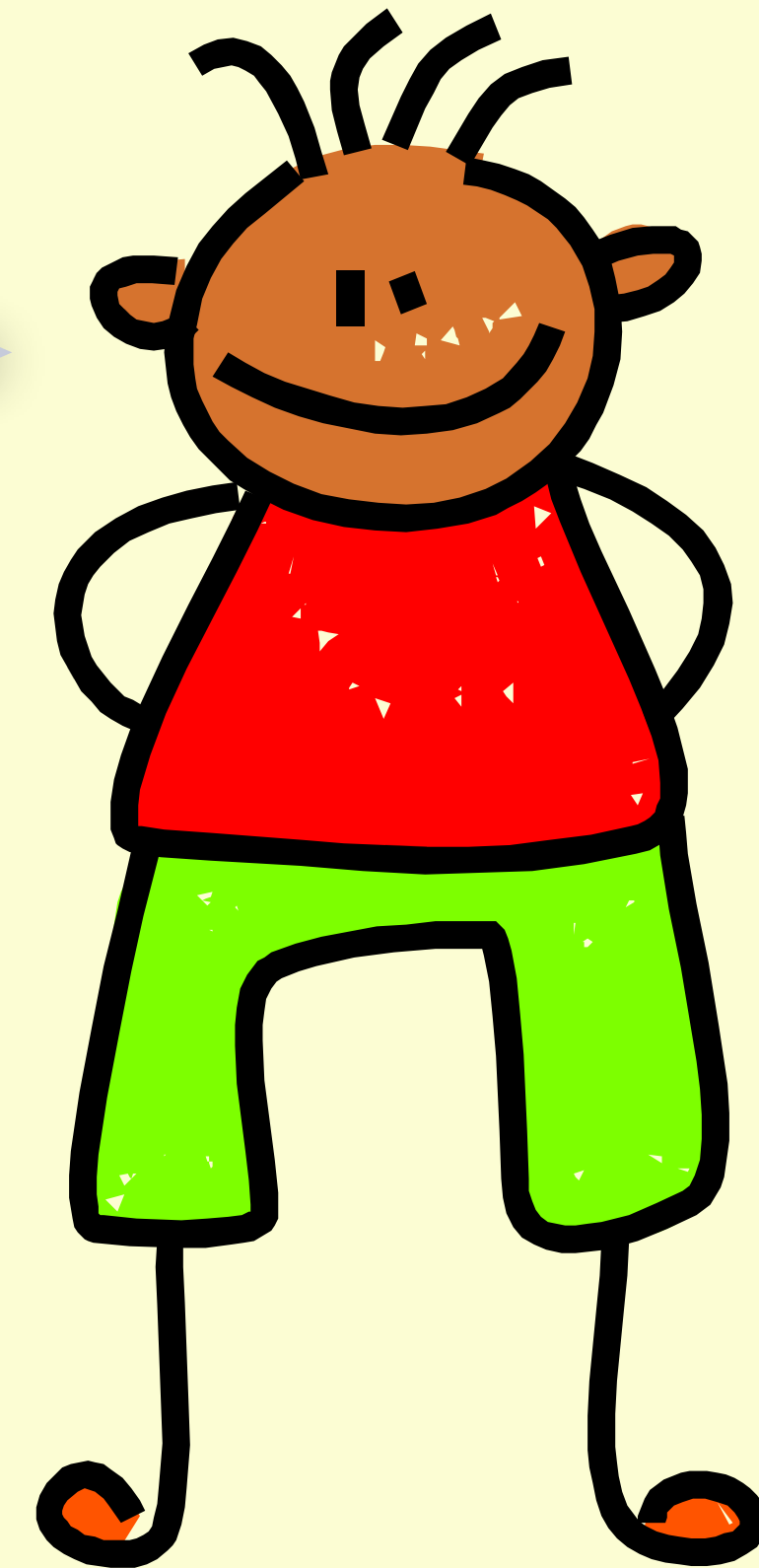
Where is the arrow pointing to on the metre ruler?



BACK

NEXT

How long is this pencil?
Use the ruler to work out the answer.



BACK

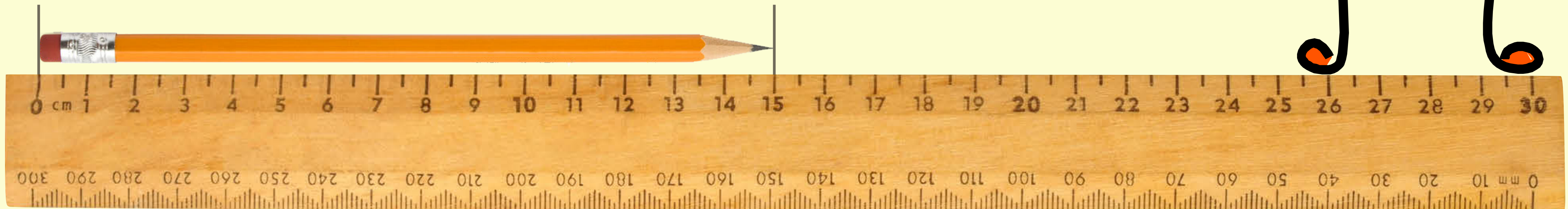
NEXT

The pencil is 15cm long. Did you notice one end of the pencil exactly lines up with the 0cm marker on the ruler?



0cm

15cm



BACK

NEXT

How long is this chocolate bar?
Use the ruler to work out the answer.



BACK

NEXT

Hmmmmm, I forgot to line up one end of the chocolate bar with the 0cm mark on the ruler. Let's try again!



0cm



BACK

NEXT

The chocolate bar is 10cm long.
How long would a chocolate bar that is
double the length of this one be?



0cm

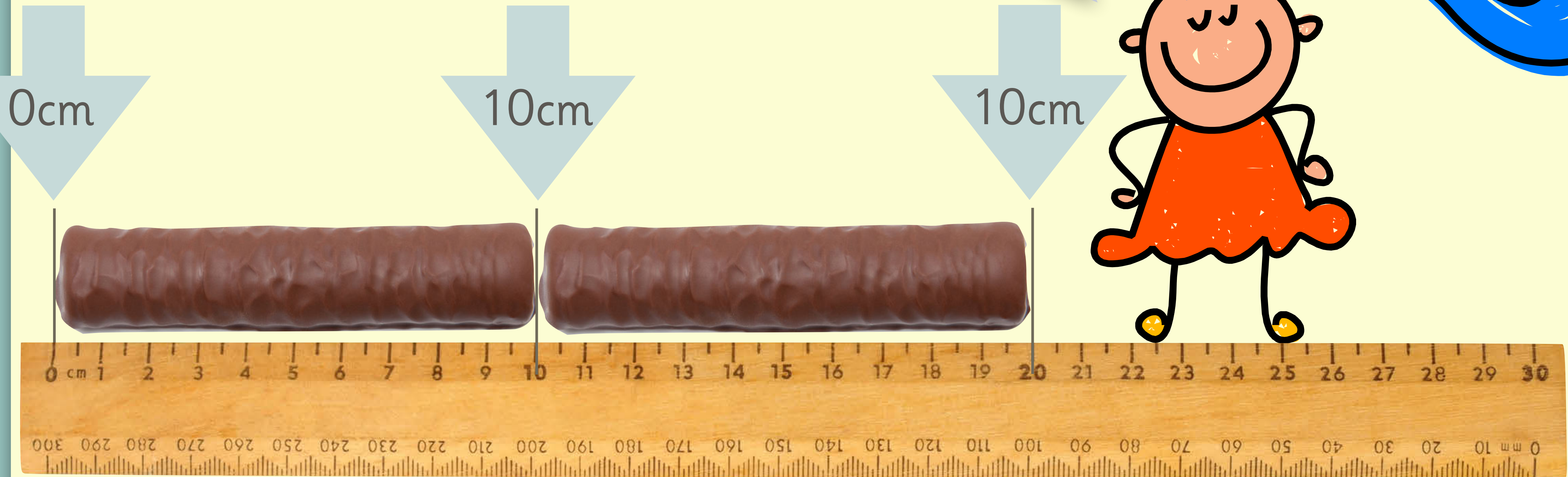
10cm



BACK

NEXT

It would be 20cm long.



BACK

NEXT

This chocolate bar is 8cm long.
How long would a chocolate bar that is
double the length of this one be?



0cm

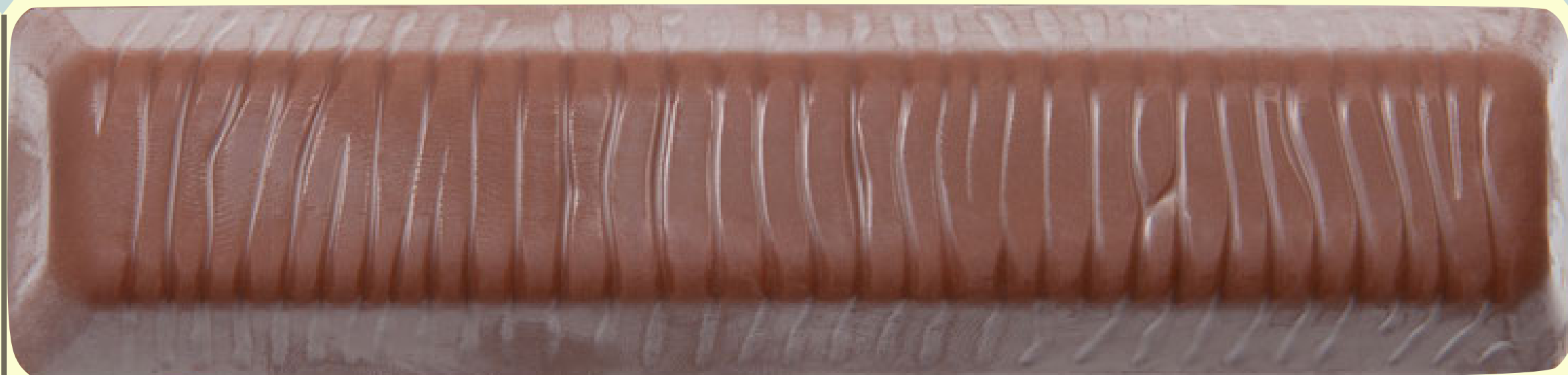


BACK

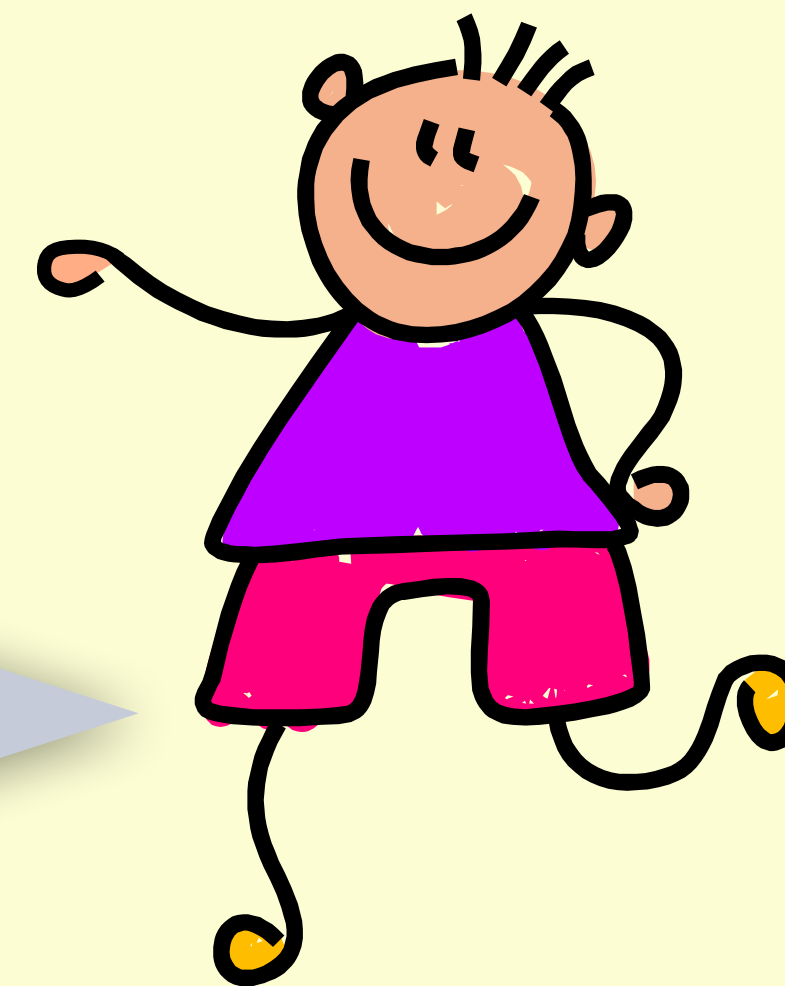
NEXT

0cm

16cm



It is 16cm long.
Double 8 is 16.



BACK

NEXT

How long would a chocolate bar that is half the length of this one be?

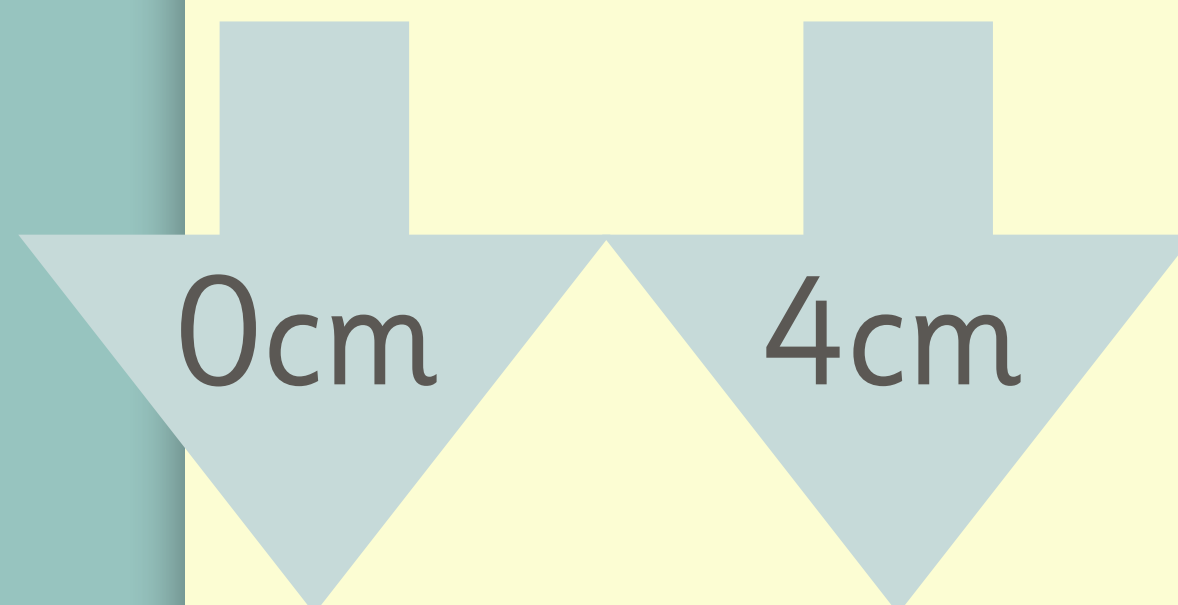


0cm

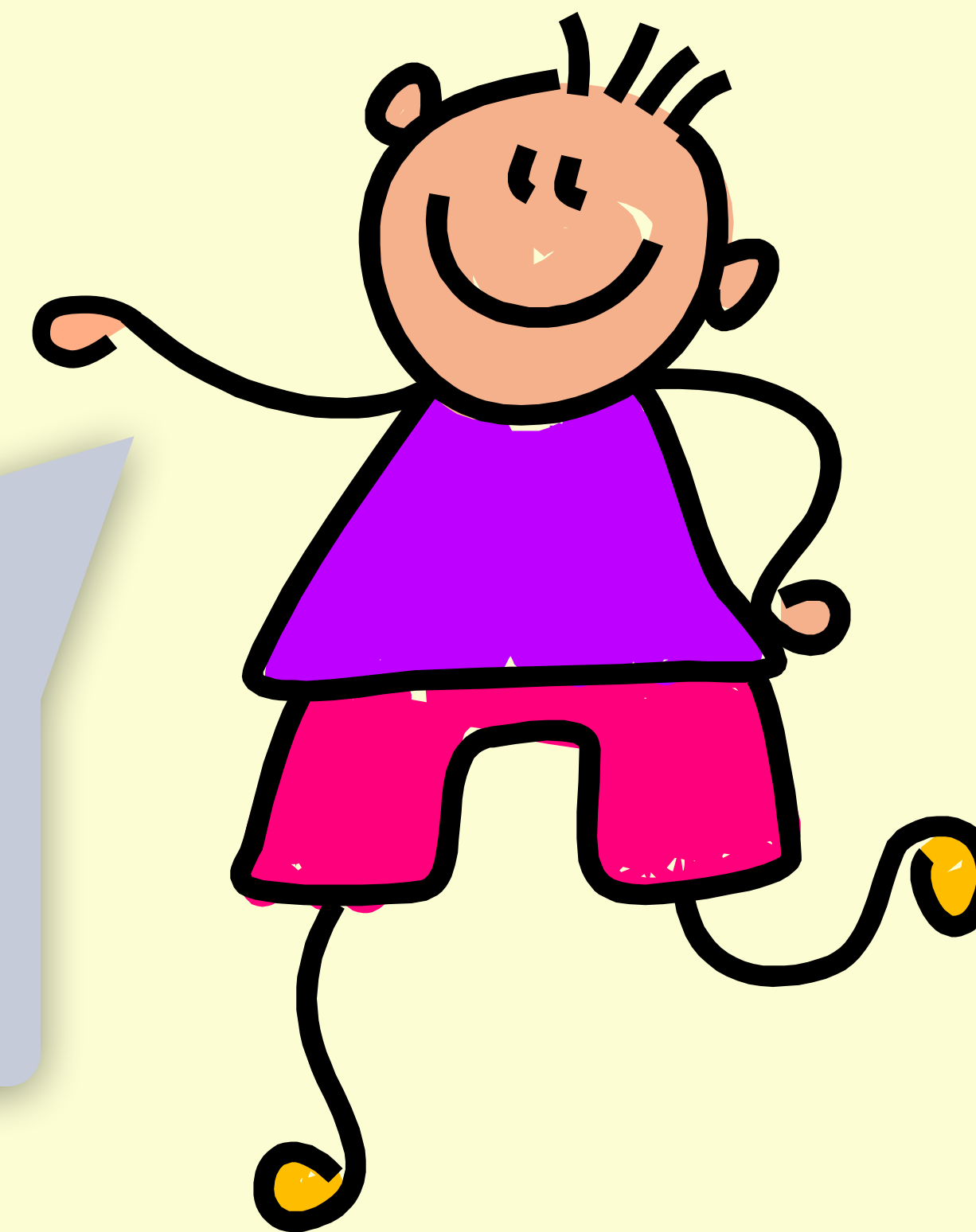


BACK

NEXT

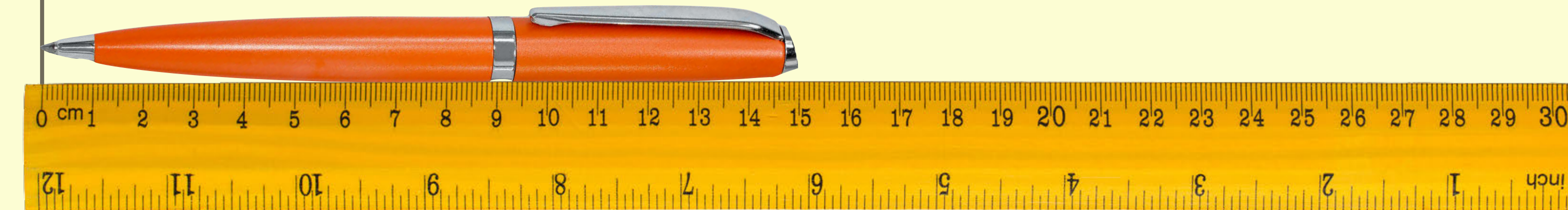
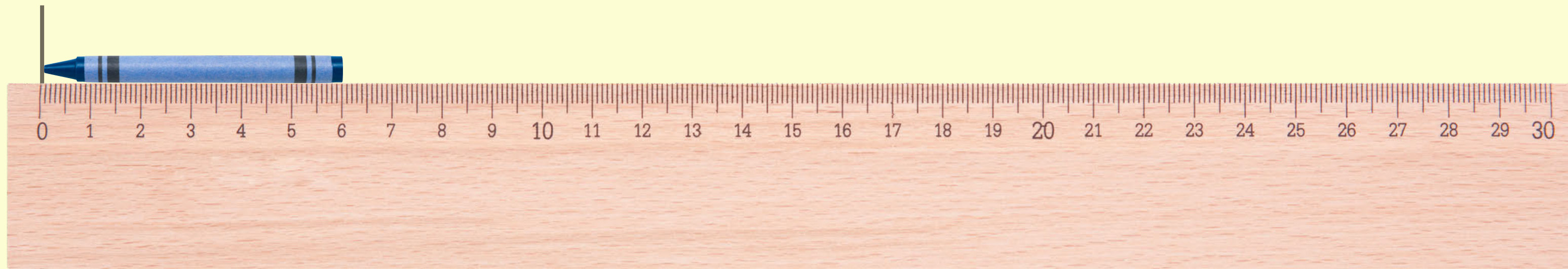


It is 4cm long.
Half 8 is 4.



BACK

NEXT



How long are these
objects?

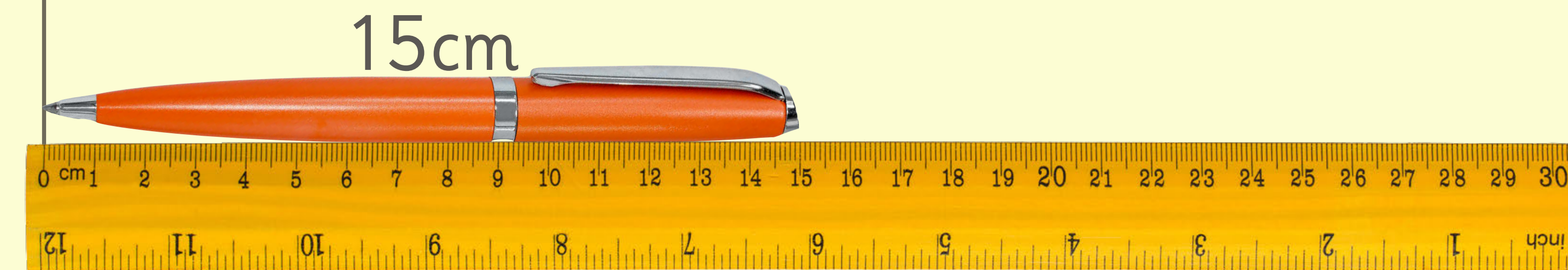
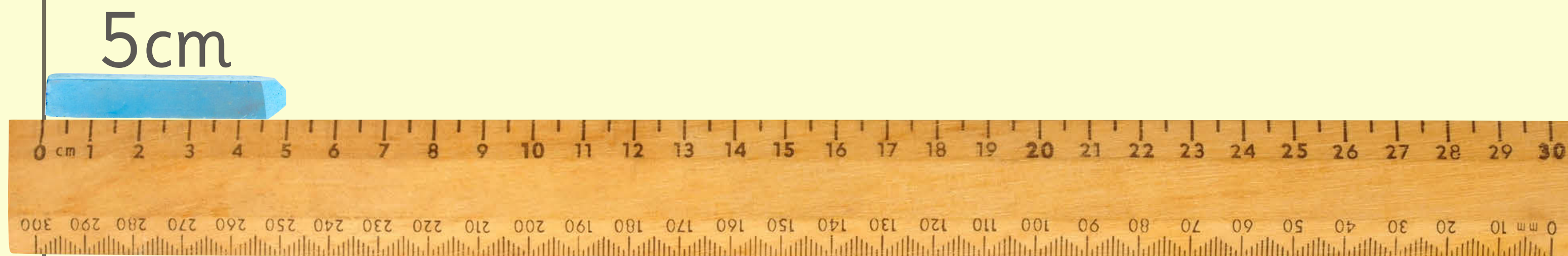
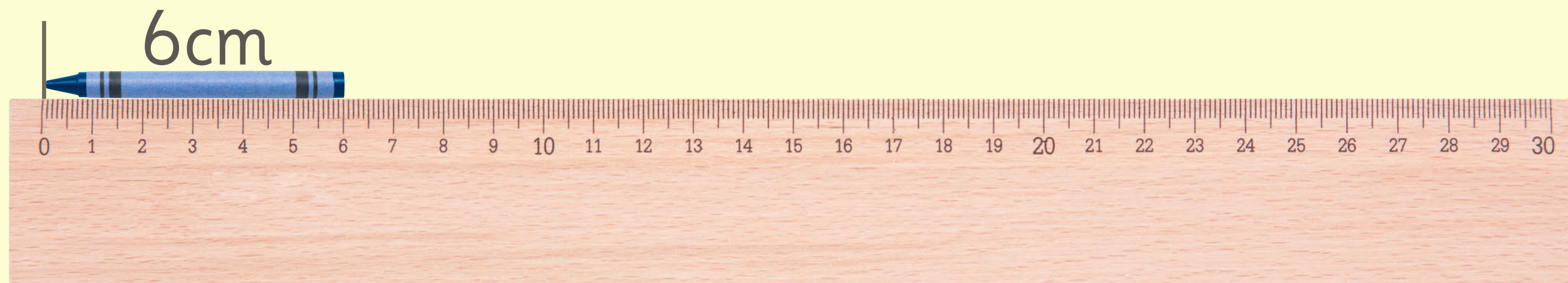
Which is the longest?

Which is the shortest?



BACK

NEXT



The chalk is the shortest. The pen is the longest.



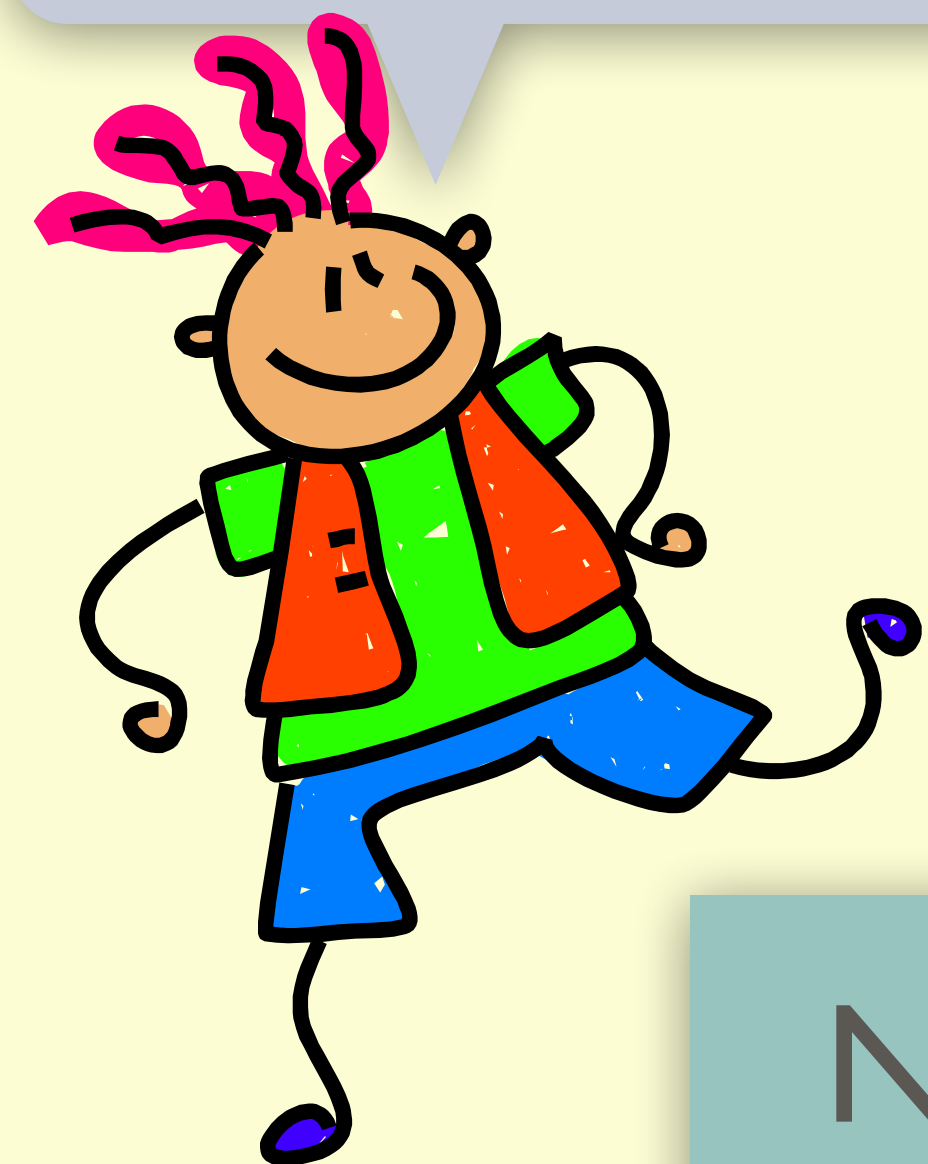
BACK

NEXT

BACK



How tall are these
objects?
Which is the tallest?
Which is the
shortest?

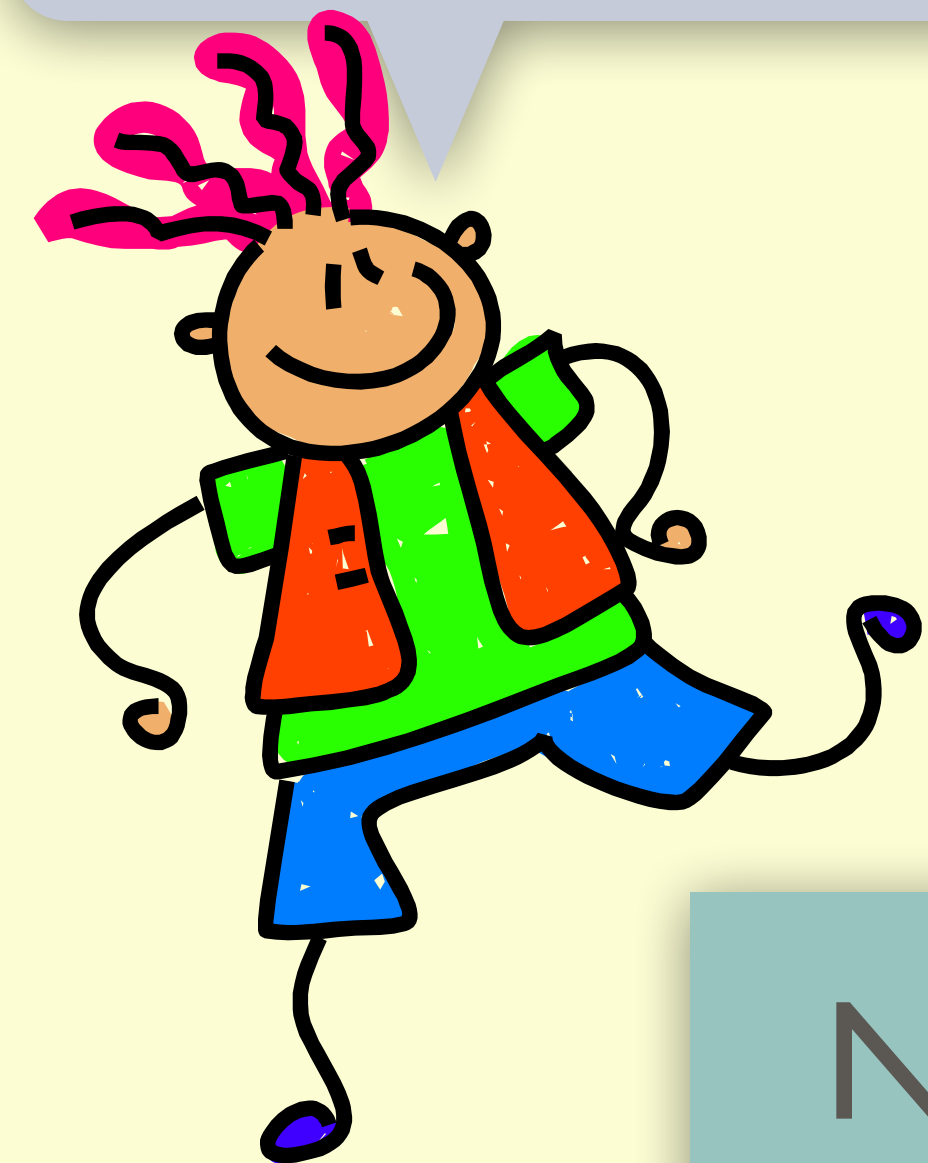


NEXT

BACK



The chair is the tallest object. The toy boat is the smallest object.



NEXT

Plenary

My plank of wood is too long. I need to cut it in half. How long should it be?

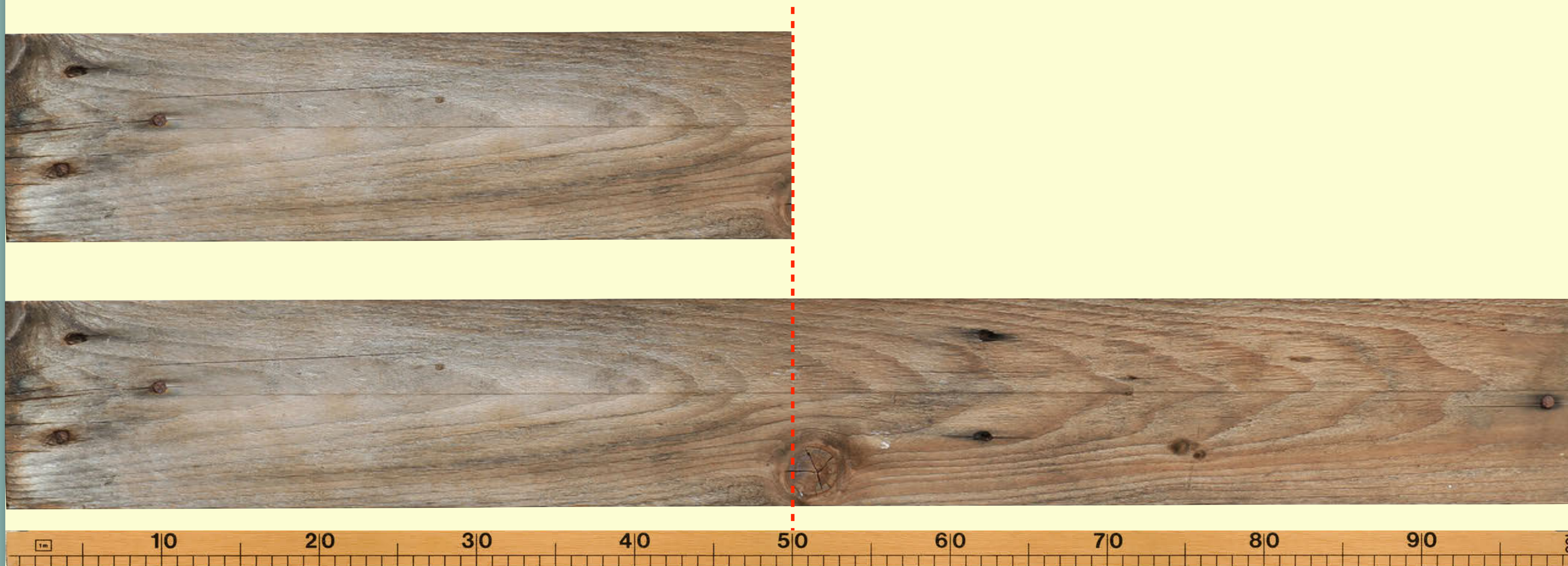


BACK

NEXT

Plenary

Half of 1m (100cm) is 50cm.



BACK