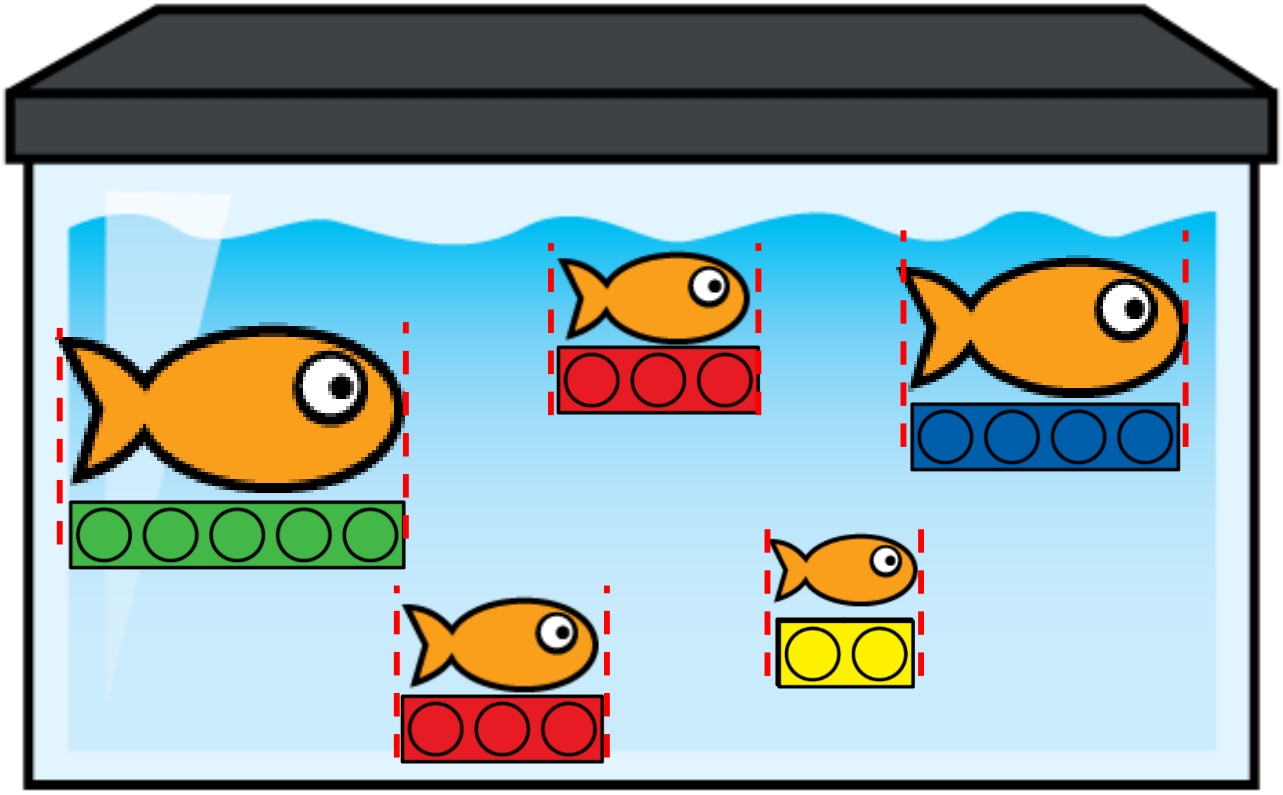
Monday 8th March 2021
LO: measuring lengths

- Watch the teaching video
- https://vimeo.com/508439670
- Answer the questions on the following slides

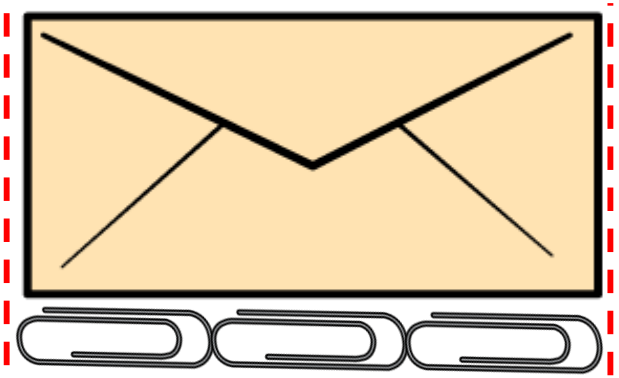
Let's measure!

Have a think

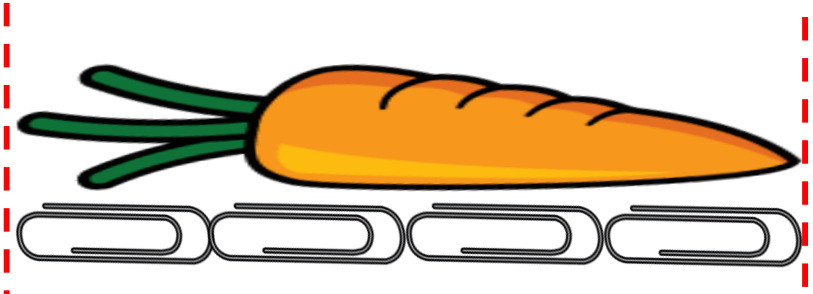




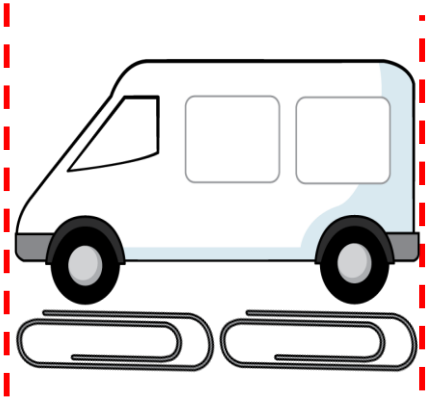
How many  long are these?



?



?



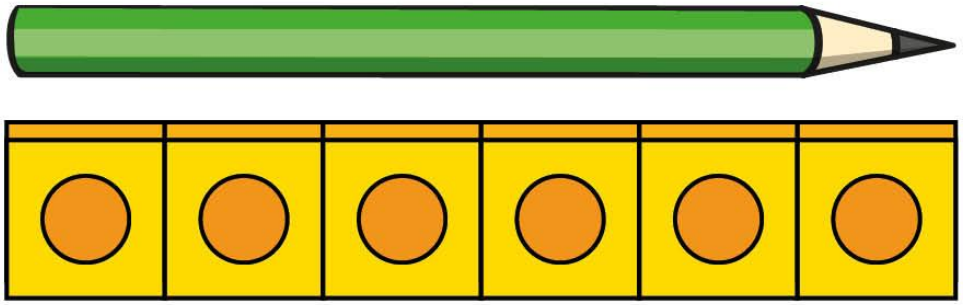
?

Have a think

Measure length (1)

1 How long is each object?

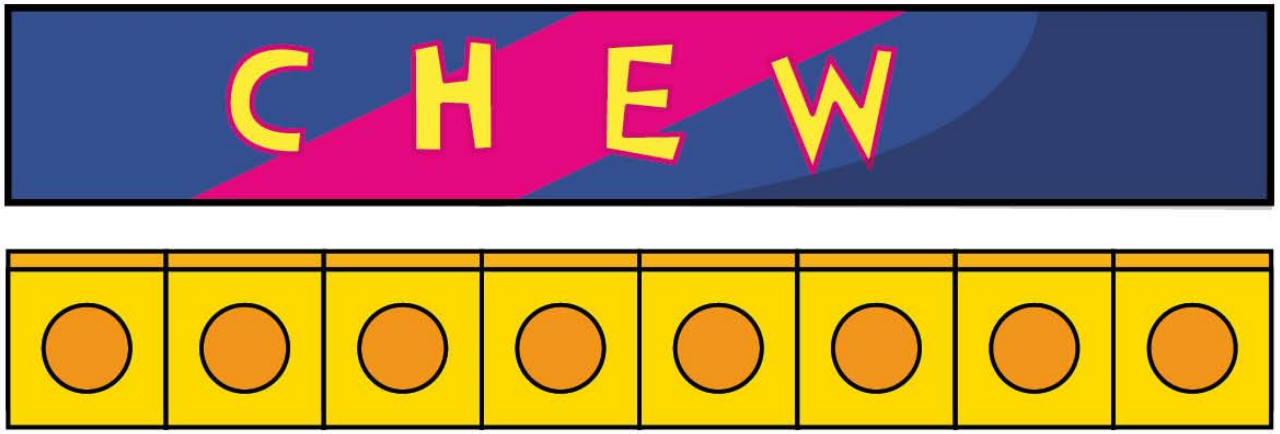
a)



The pencil is ☐ cubes long.

© White Rose Maths 2019

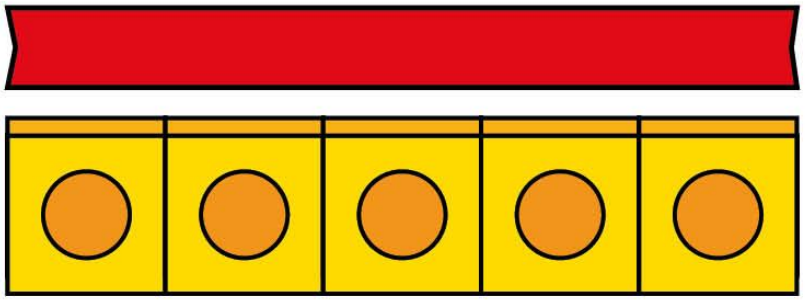
1 b)



The chew bar is ☐ cubes long.

© White Rose Maths 2019

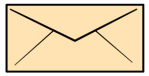
1 c)



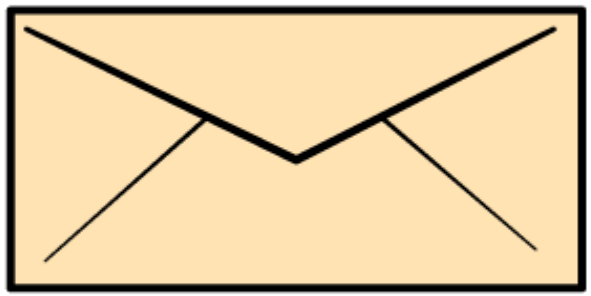
The ribbon is ☐ cubes long.

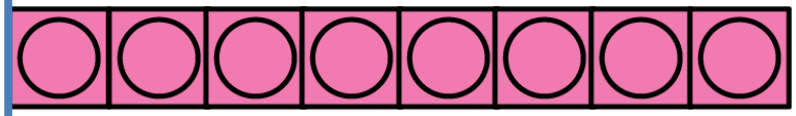
d) Use cubes to measure some objects in your classroom.

© White Rose Maths 2019

What is the length of the  ?

Have a think



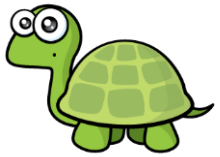


I think it is 7

I think it is 6

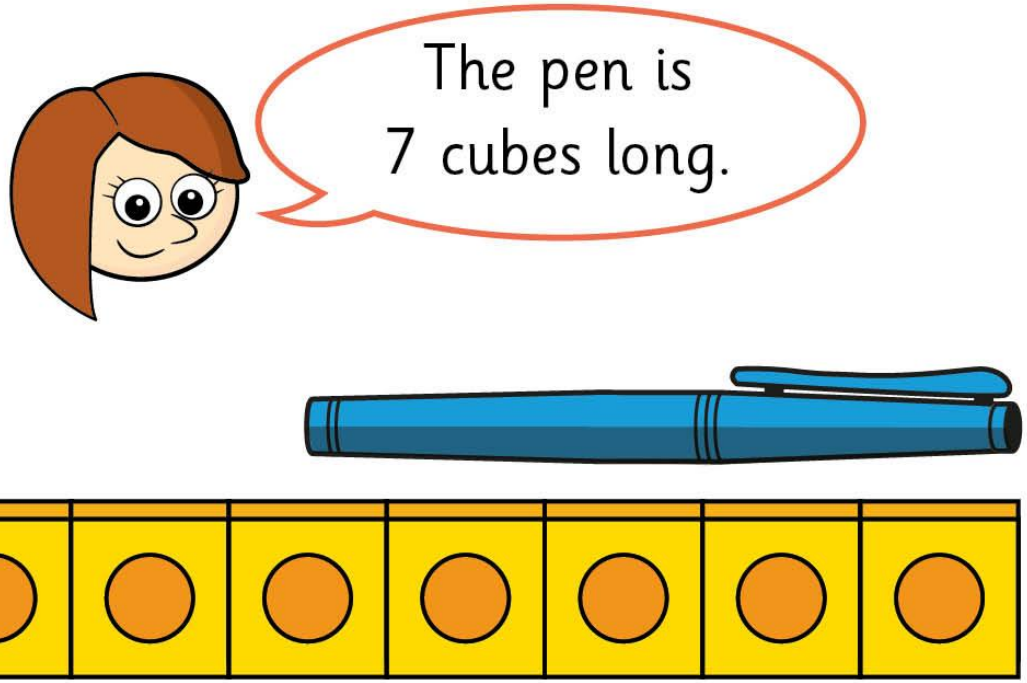


Who is correct?



Have a go at question 2

2



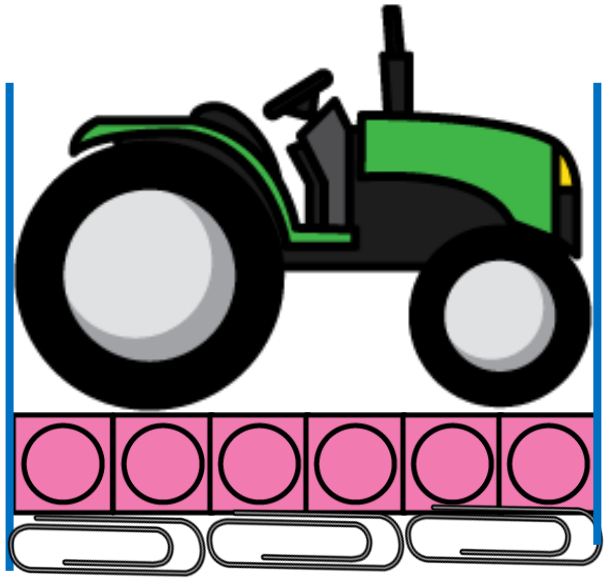
Do you agree with Rosie? _____

Talk about it with a partner.

© White Rose Maths 2019

What is the length of the  ?

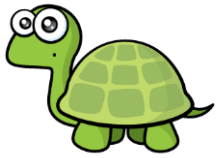
Have a think





I think it is 6 

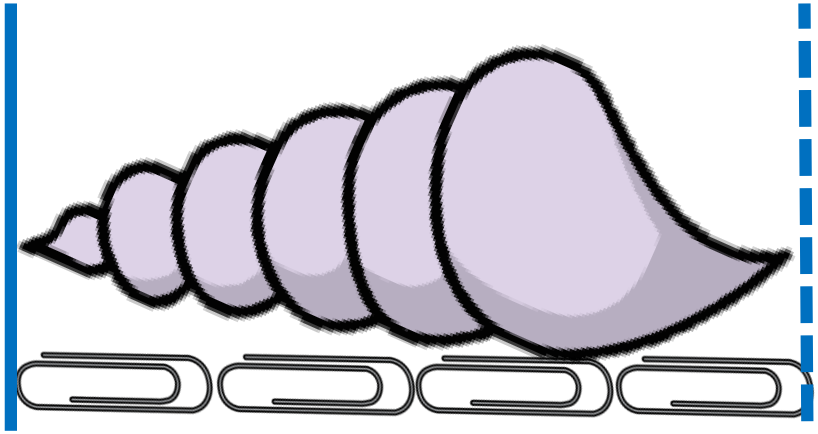
I think it is 3 

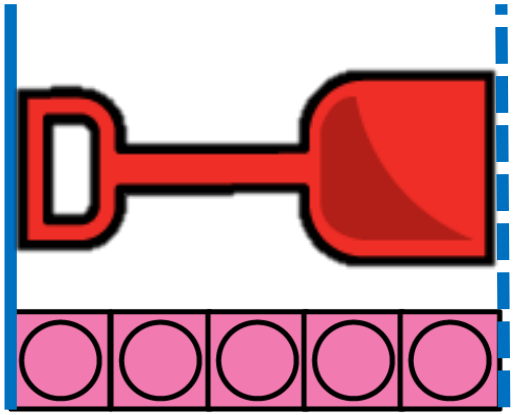


Who is correct?

Which is longer?

Have a think



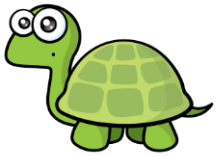




The shell is 4

This is 5

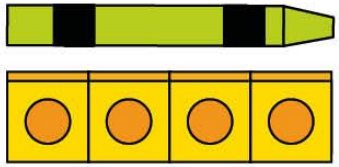
That means it is longer!

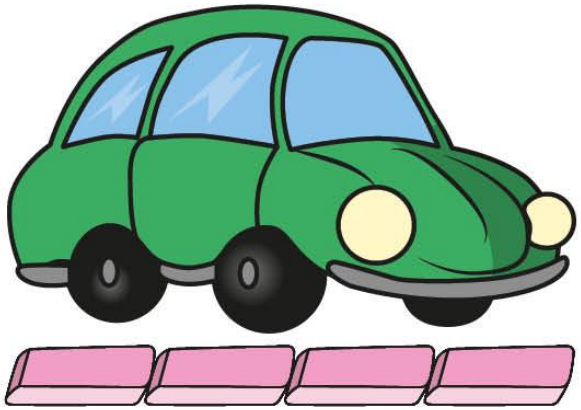


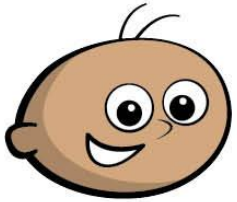
Do you agree?

Have a go at questions
3 and 4

3 Tommy is measuring objects.







The car and the crayon are the same length.

Do you agree with Tommy? _____

© White Rose Maths 2019

4 Measure objects in your classroom with these items.

- cubes
- hands
- sticks

Which object is the longest?

Which is the shortest?

How do you know?





© White Rose Maths 2019

Tuesday 9th March 2021
LO: using a ruler

- Watch the teaching video

- https://vimeo.com/510394004

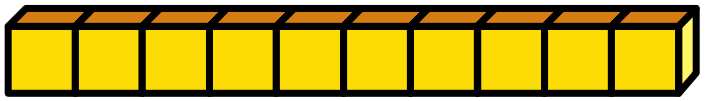
- Practically measure objects within the house (you do not need to record)

What can we use to measure?



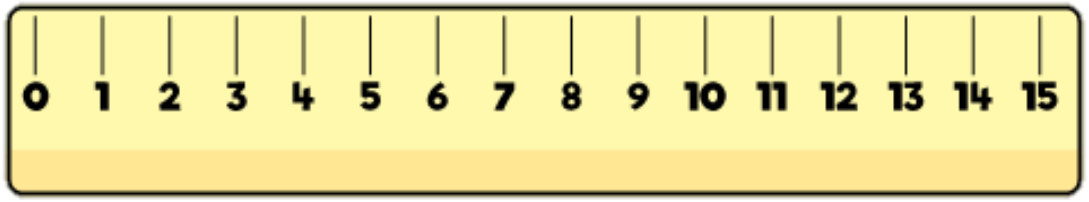




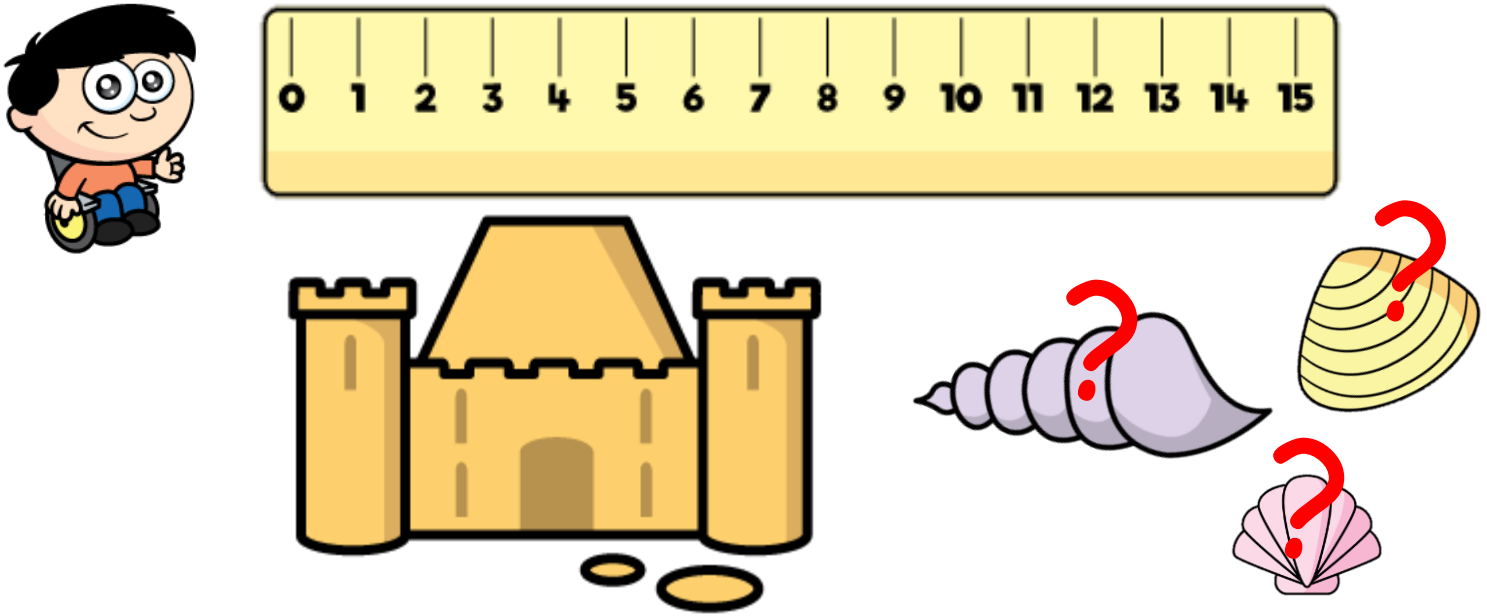








Why use a ruler?



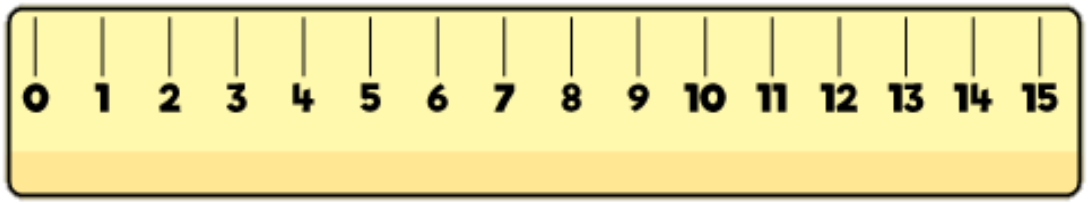
The sandcastle is 4 shells long.

No confusion!

Why use a ruler?

Have a think









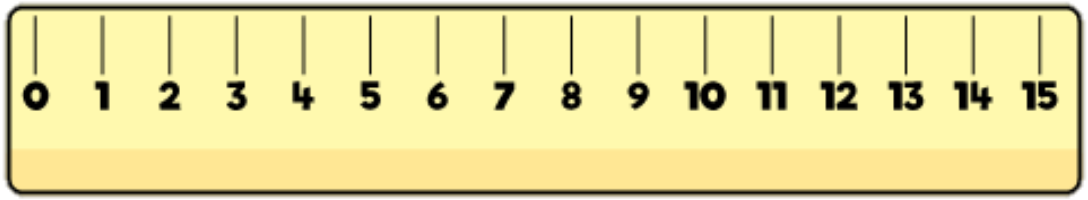


To measure and compare different objects.

Why use a ruler?

Have a think







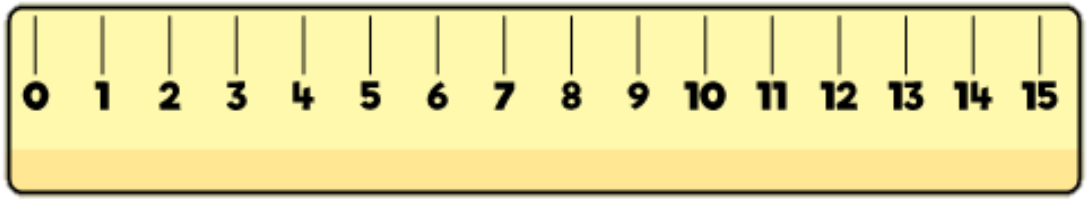


There are no spaces.

Why use a ruler?

Have a think







People talk about length using rulers.

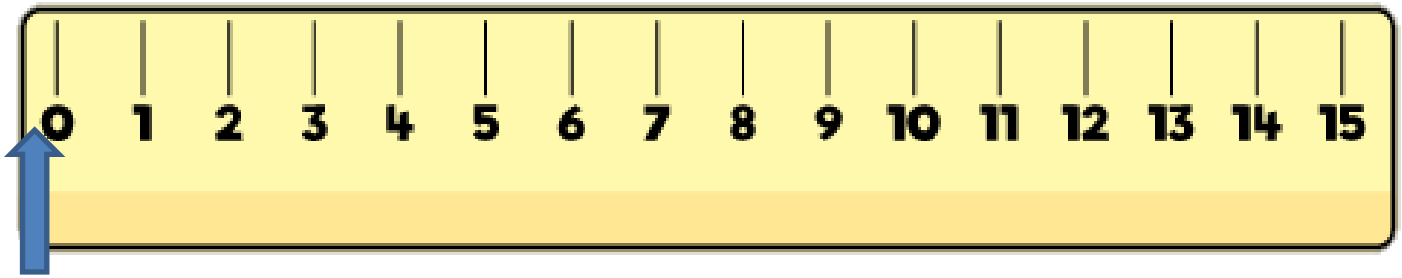
Can you find a ruler?
What is the same?
What is different?



Be careful!

Have a think

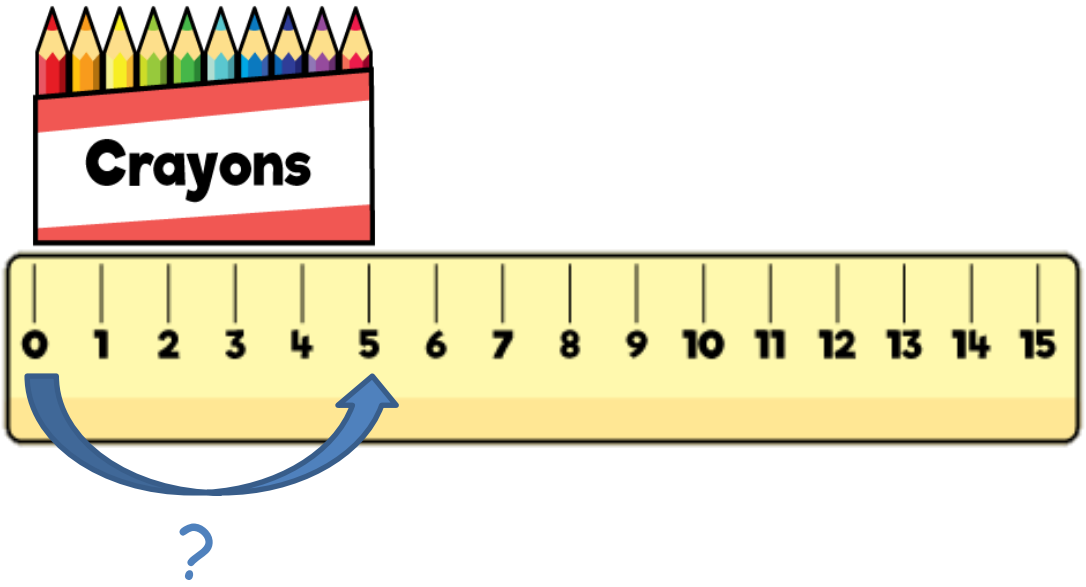




Mind the gap!

Where can you start?

Have a think

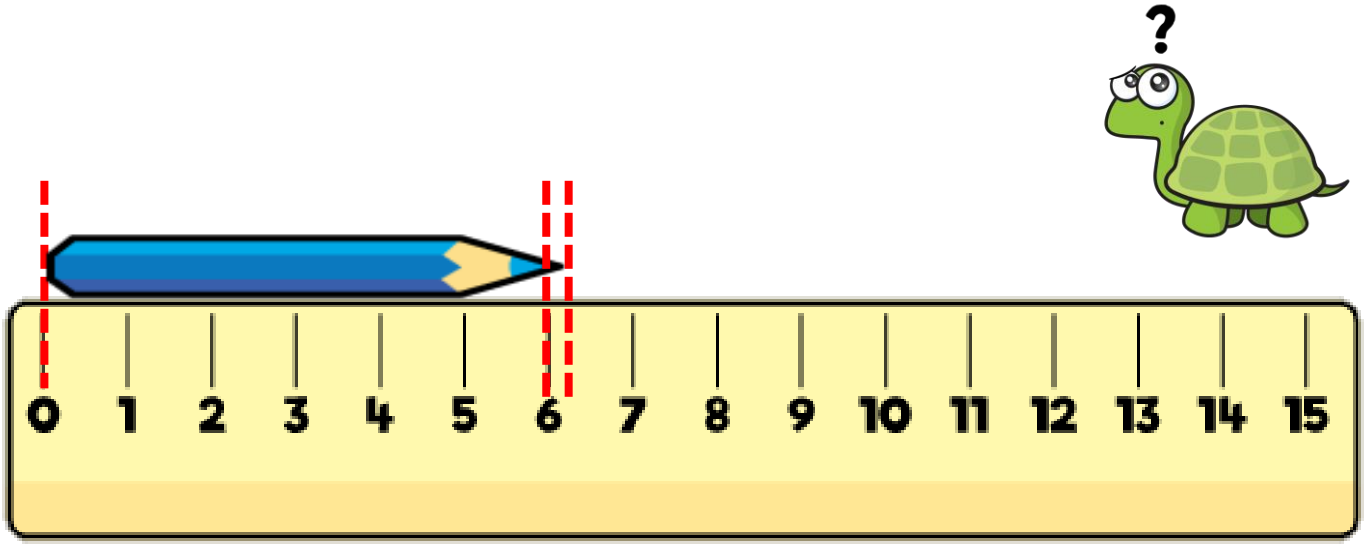


Any number!

Can you measure your crayons?

What if it isn't perfect?

Have a think



Closest to…

Almost…

Can you measure your pencil?
Can you start from different spots?

Wednesday 10th March 2021
LO: measuring lengths

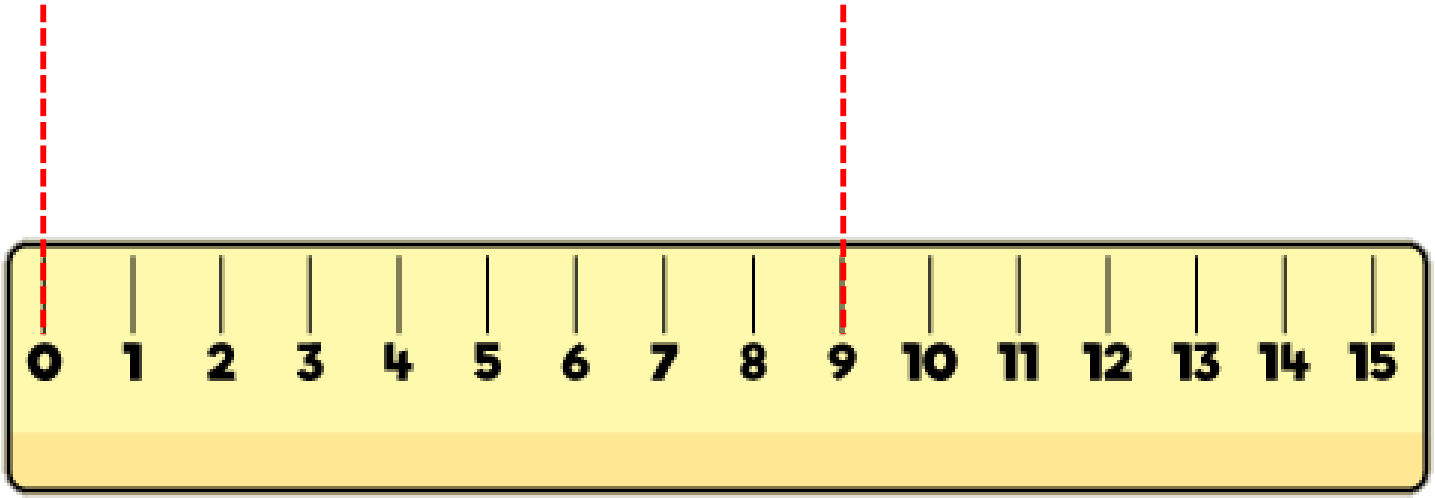
- Watch the teaching video

- https://vimeo.com/510394371

- Answer the questions on the following pages

Measure length

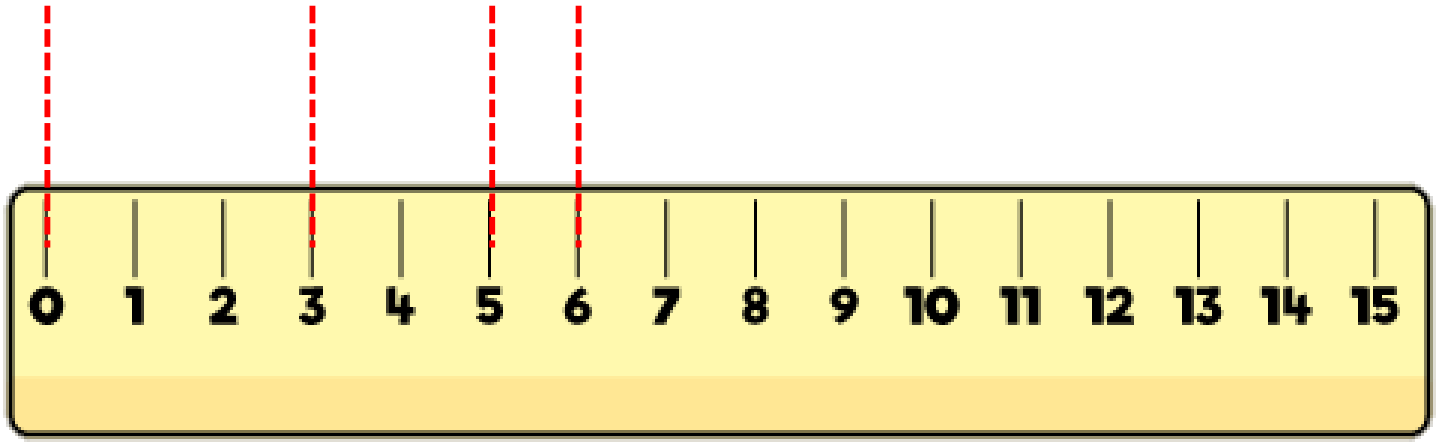
Have a think



The knife is ? cm

Measure and compare length

Have a think





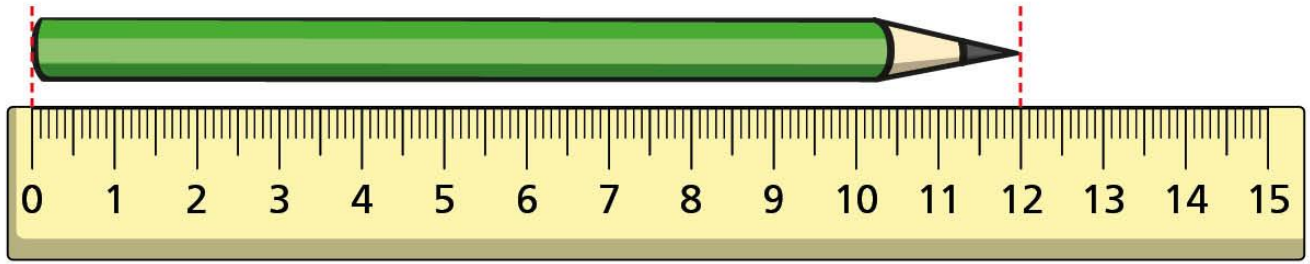
? cm ? cm ? cm

Have a go at questions 1 and 2 on the worksheet

Measure length (2)

1 How long is each object?

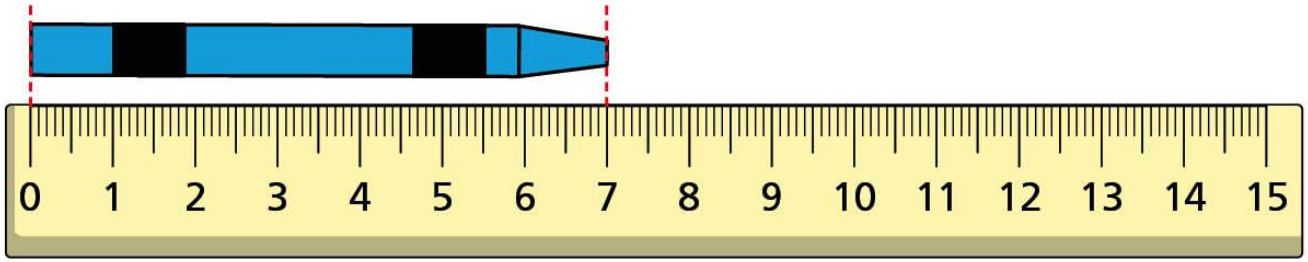
a)



The pencil is ☐ cm long.

© White Rose Maths 2019

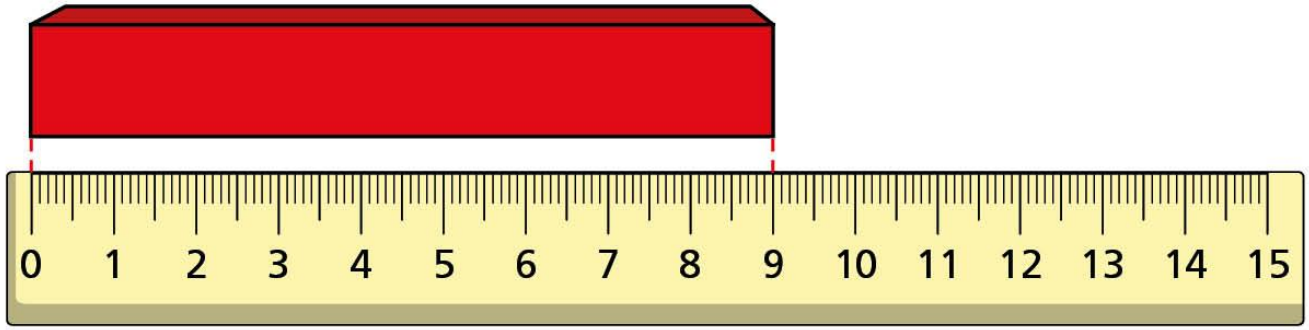
1 b)



The crayon is ☐ cm long.

© White Rose Maths 2019

1 c)

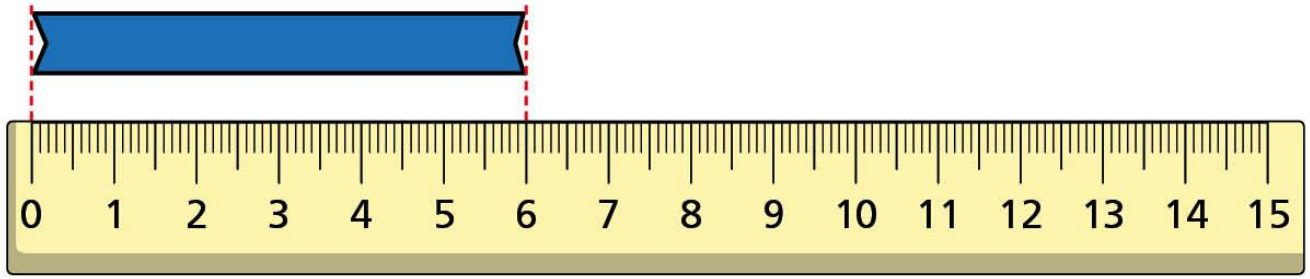


The brick is ☐ cm long.

d) Measure the length of other objects in your classroom.

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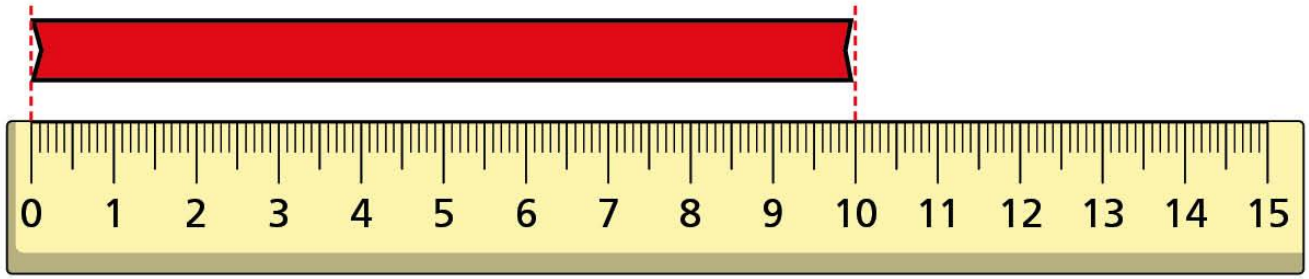
2 **a)** How long is the blue ribbon?



The blue ribbon is ☐ cm long.

© White Rose Maths 2019

2 **b)** How long is the red ribbon?



The red ribbon is ☐ cm long.

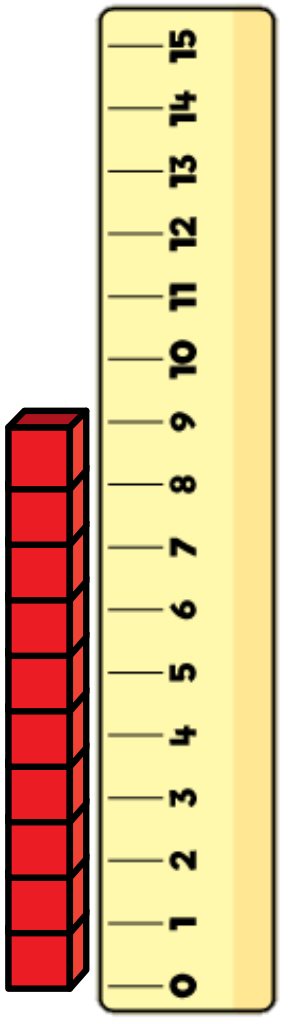
c) Which piece of ribbon is longer?

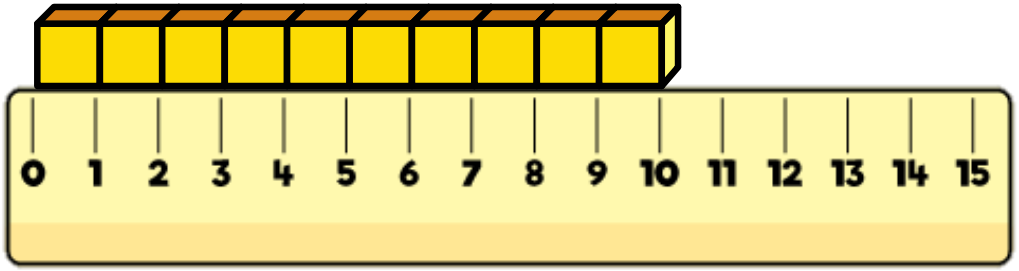
The _____ ribbon is longer.

© White Rose Maths 2019

Which is longer?

Have a think



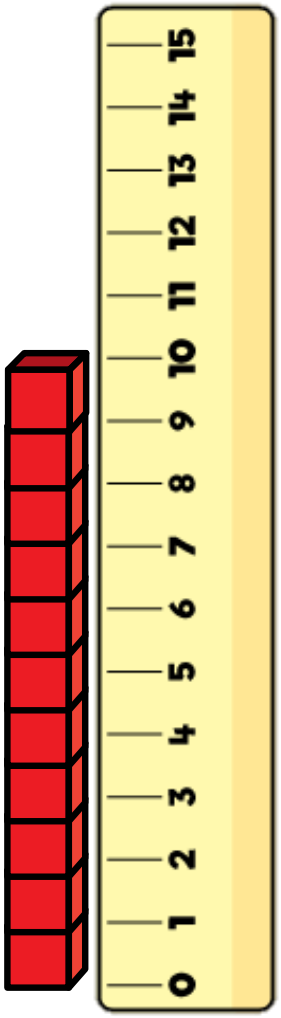


The red tower is 9 cm

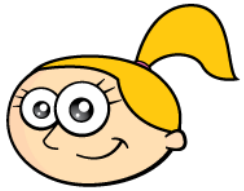
The yellow tower is 10 cm

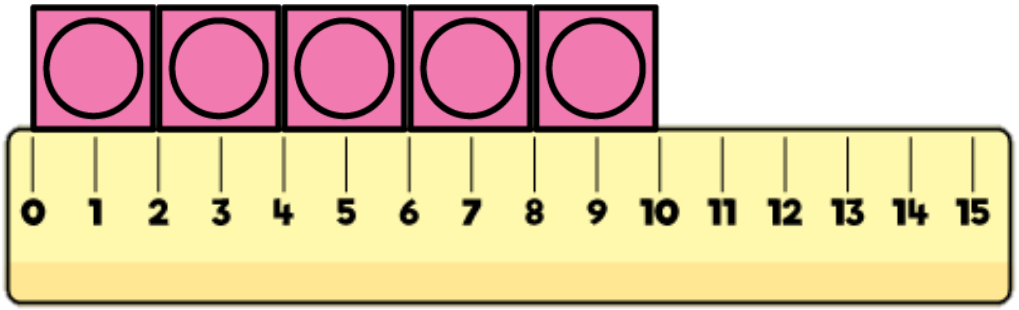
Which is longer?

Have a think



They are the same length!



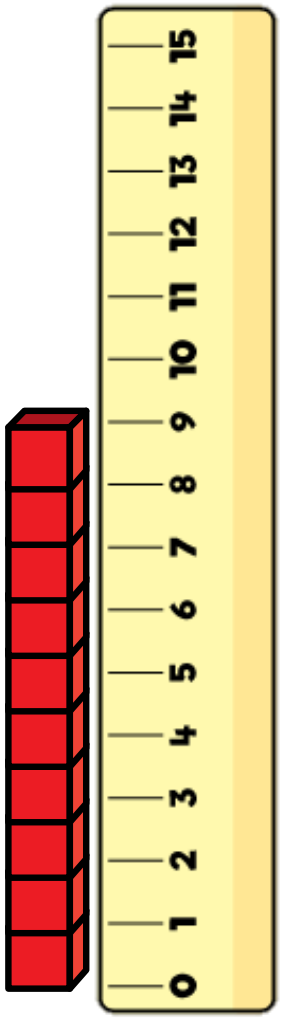


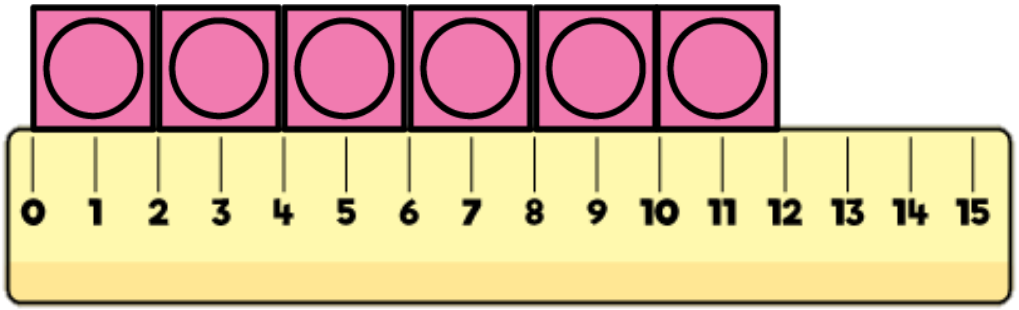
The red tower is 10 cm

The pink tower is 10 cm

Which is longer?

Have a think





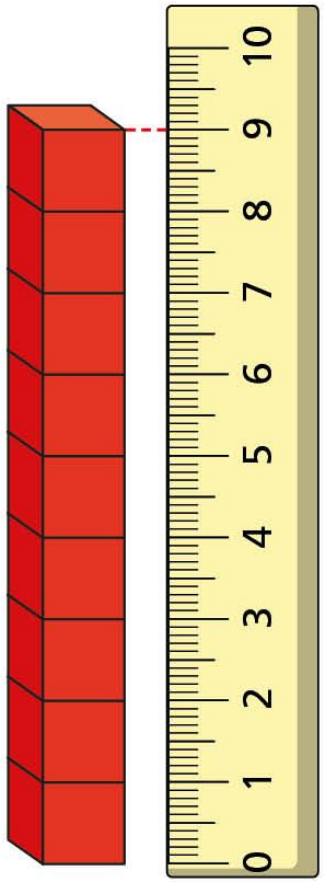
The red tower is 9 cm

The pink tower is 12 cm

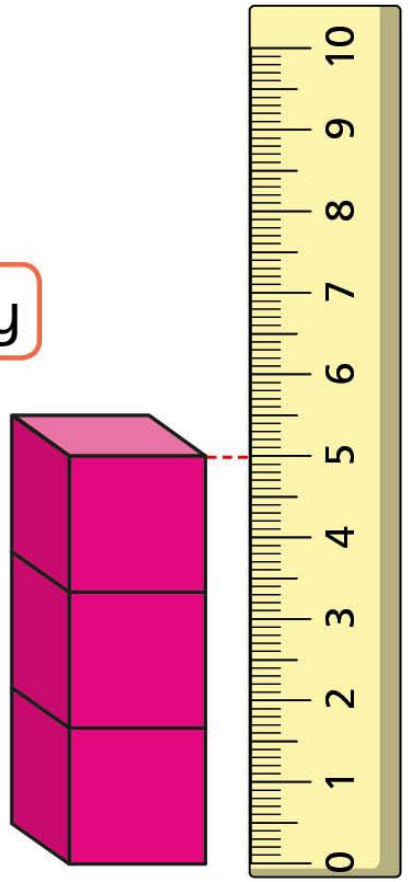
Have a go at question 3
on the worksheet

3 Mo, Whitney and Eva are building towers.

Mo



Whitney



© White Rose Maths 2019

3 a) How tall is Mo's tower?

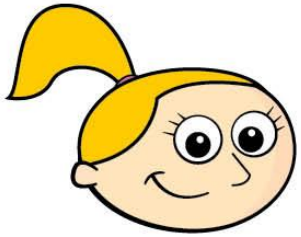
Mo's tower is ☐ cm tall.

b) How tall is Whitney's tower?

Whitney's tower is ☐ cm tall.

© White Rose Maths 2019

3 c)



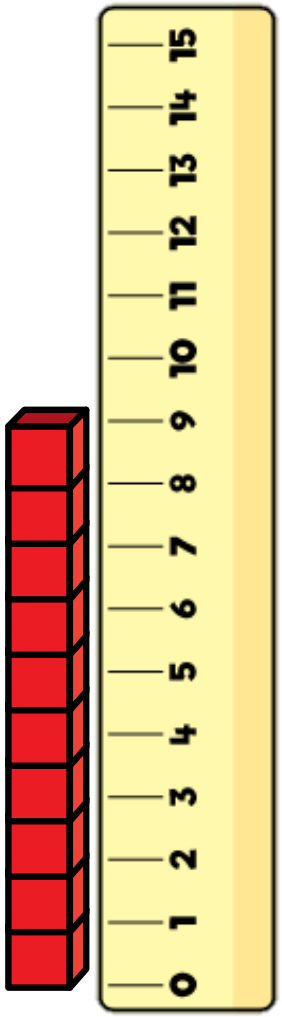
My tower is taller than Whitney's, but shorter than Mo's.

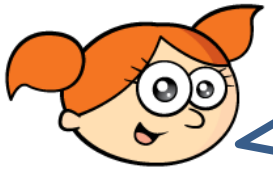
How long could Eva's tower be? ☐ cm

Is there more than one answer?

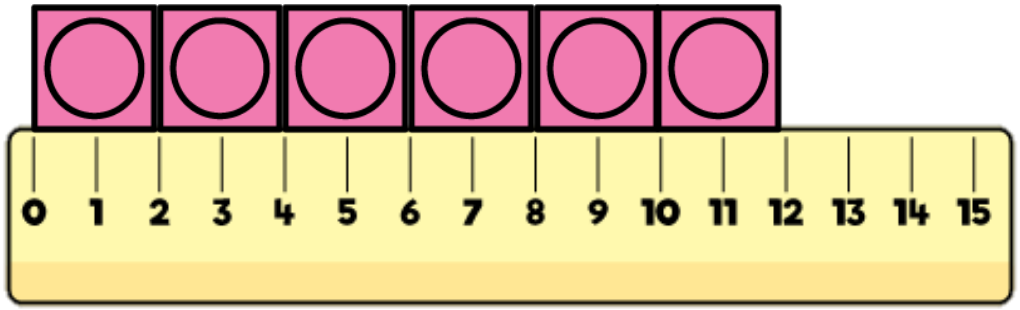
© White Rose Maths 2019

How can you make them the same length?





I can add ? more



The red tower is 9 cm

The pink tower is 12 cm

Have a think

The red tower is 12 cm

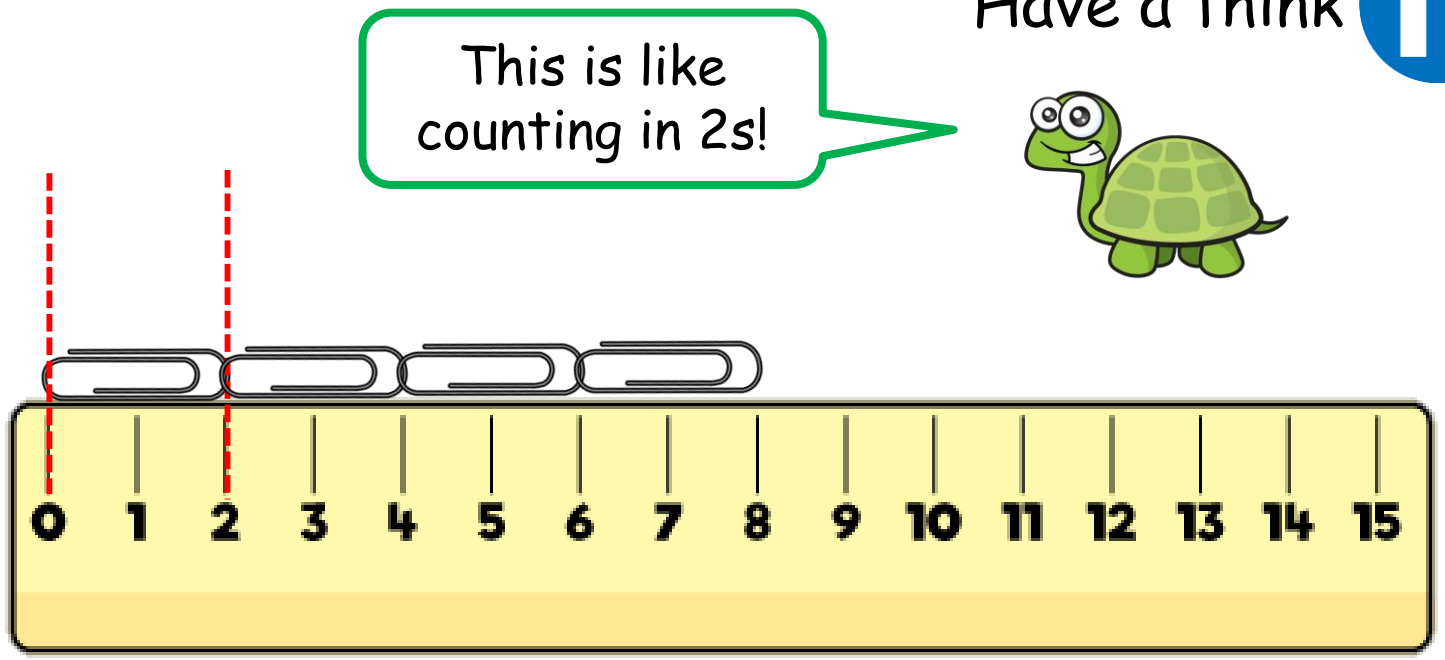
Thursday 11th March 2021
LO: adding lengths

- Watch the teaching video

- https://vimeo.com/511039862

- Answer the questions on the following pages

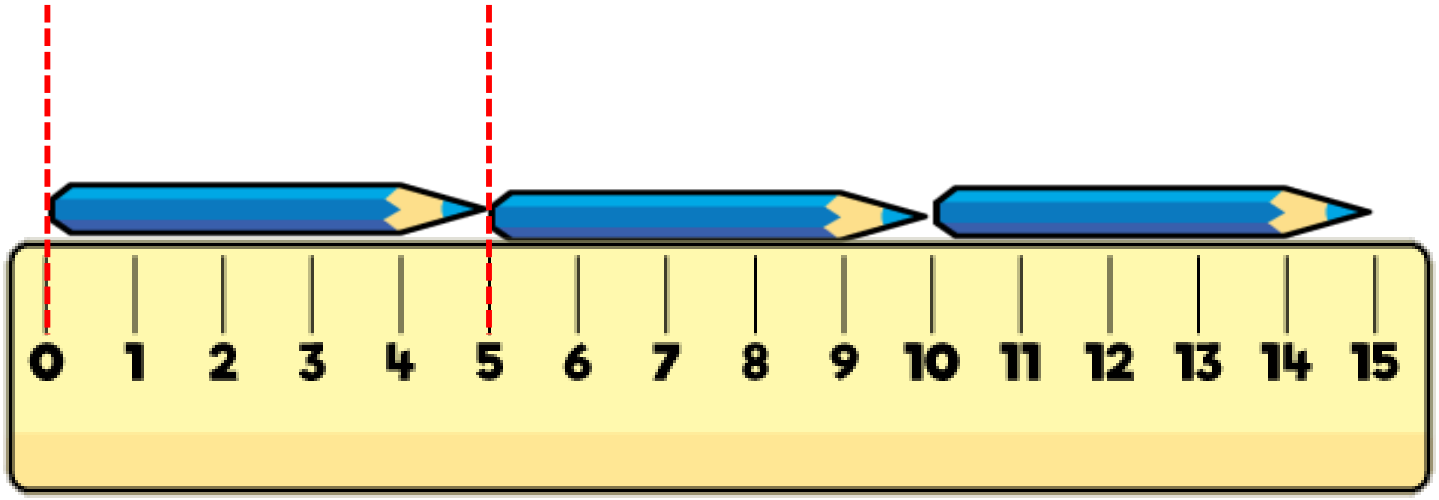
Have a think



2, 4, 6, 8

How long is 4 paperclips? ? cm

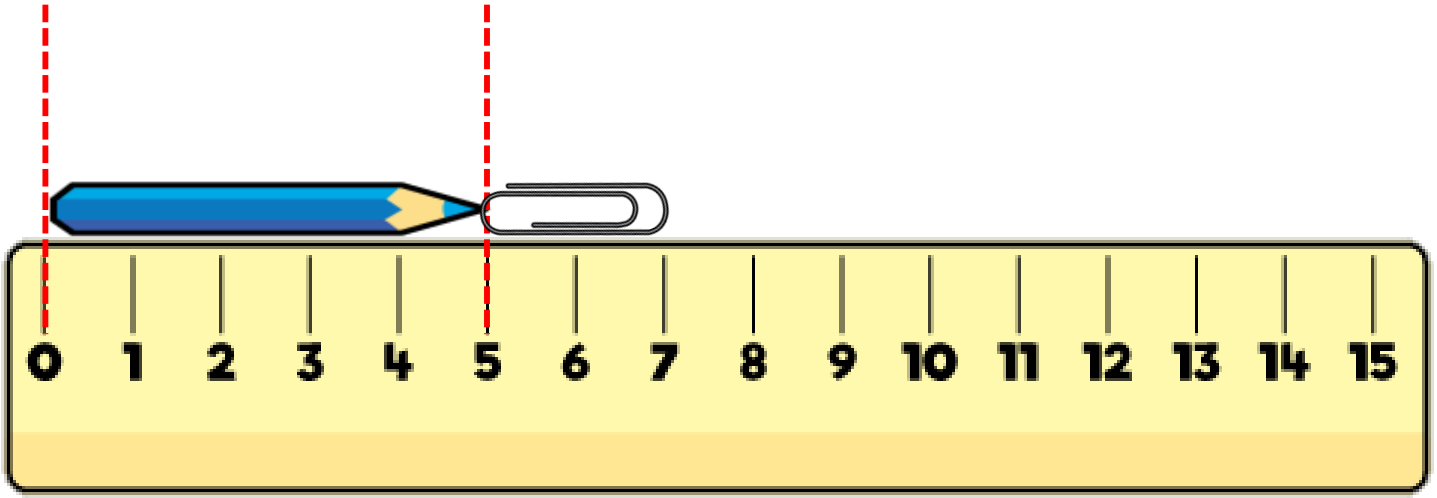
Have a think



5, 10, 15

How long is 3 pencils? ? cm

Have a think



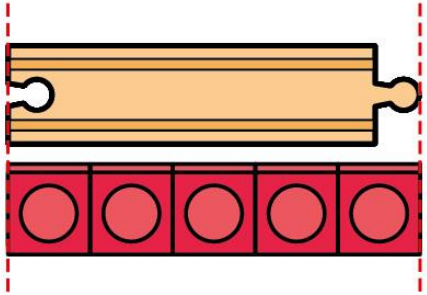
How long is 1 pencil and 1 paperclip?

5 + 2 = ? cm

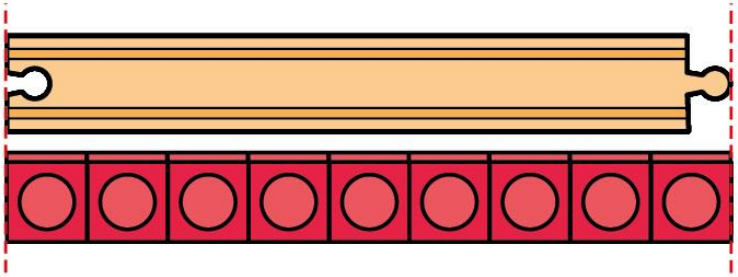
Have a go at question 1 on the worksheet

Adding lengths

1 A short piece of train track is 5 cubes long.

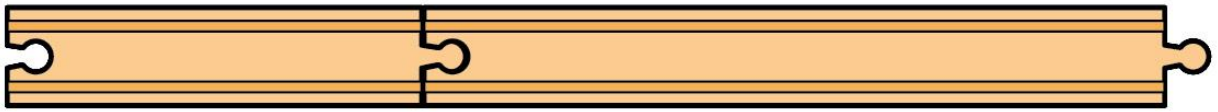


A long piece of train track is 9 cubes long.



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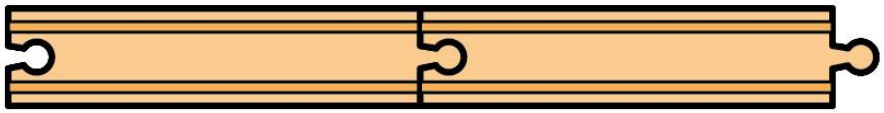
1 **a)** A short and long piece are put together.



What is the total length of the two pieces?

☐ cubes

b) What is the total length of two short pieces?

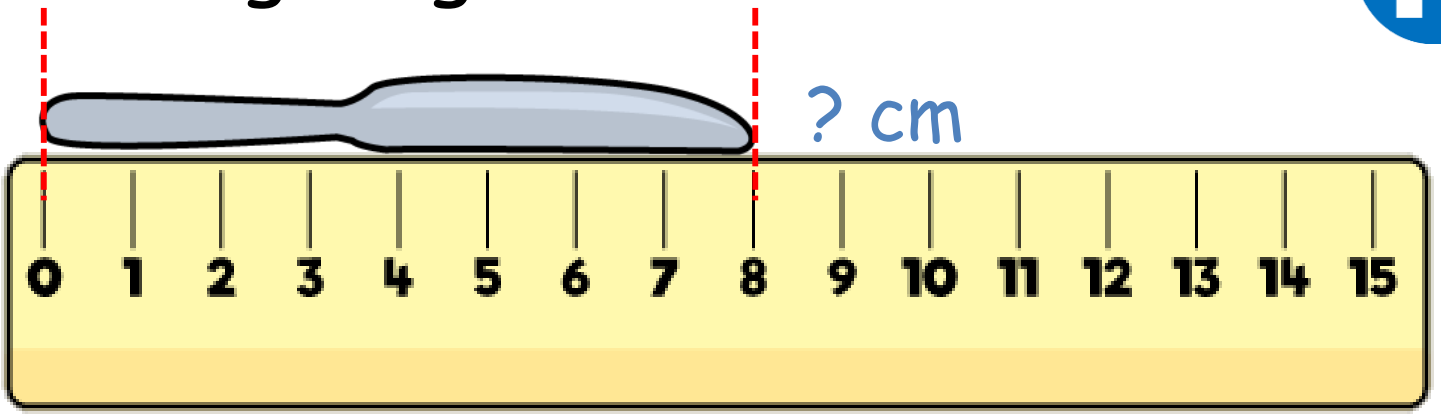


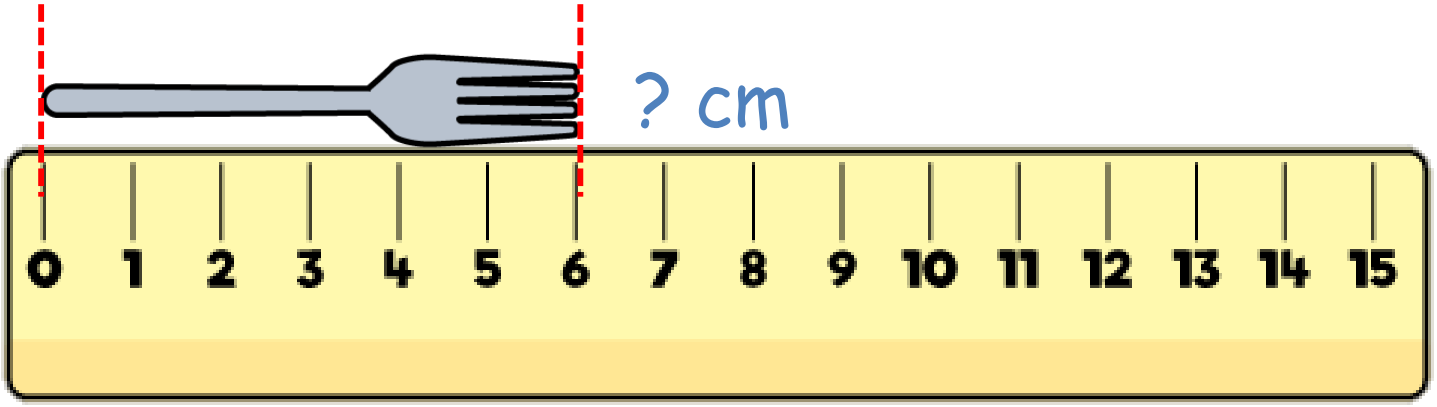
☐ cubes

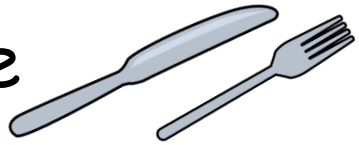
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Adding lengths

Have a think



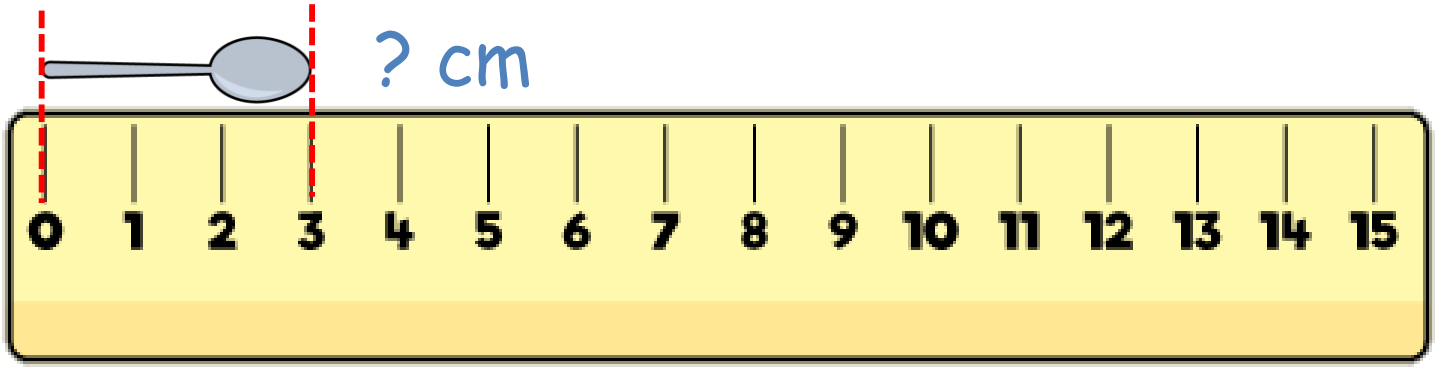


What is the total length of the 

__ + __ = ? cm

Adding lengths

Have a think




? cm


? cm

What is the total length of the 

___ + ___ = ? cm

Adding lengths

Have a think



3 cm



8 cm



6 cm

What is the total length of 2 

__ + __ = ? cm

2  is equal to 1 

Adding lengths

Have a think



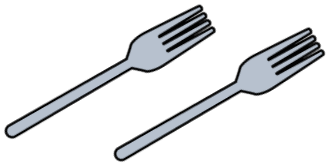
3 cm



8 cm



6 cm

What is the total length of 2 

___ + ___ = ? cm

Adding lengths

Have a think



3 cm

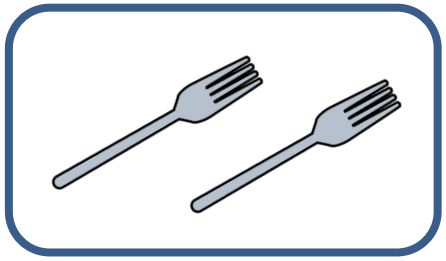


8 cm

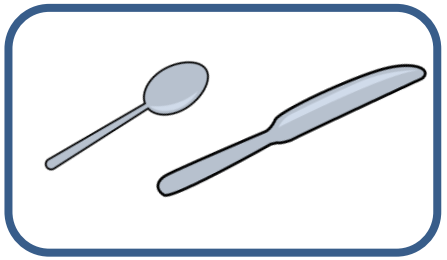


6 cm

Which is longer?



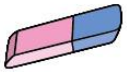
___ + ___ = ? cm



___ + ___ = ? cm

Have a go at question 2
on the worksheet

2 Mo uses paper clips to measure the length of some objects.

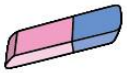
Object	Number of paper clips
scissors 	7
book 	12
pencil 	8
rubber 	3

a) What is the total length of the scissors and the book?

 paper clips

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2

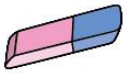
Object	Number of paper clips
scissors 	7
book 	12
pencil 	8
rubber 	3

b) What is the total length of the pencil and the rubber?

☐ paper clips

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2

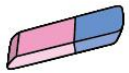
Object	Number of paper clips
scissors 	7
book 	12
pencil 	8
rubber 	3

c) Which two objects measure 10 paper clips in total?

_____ and _____

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2

Object	Number of paper clips
scissors 	7
book 	12
pencil 	8
rubber 	3

d) Which two objects measure 15 paper clips in total?

Is there more than one answer?

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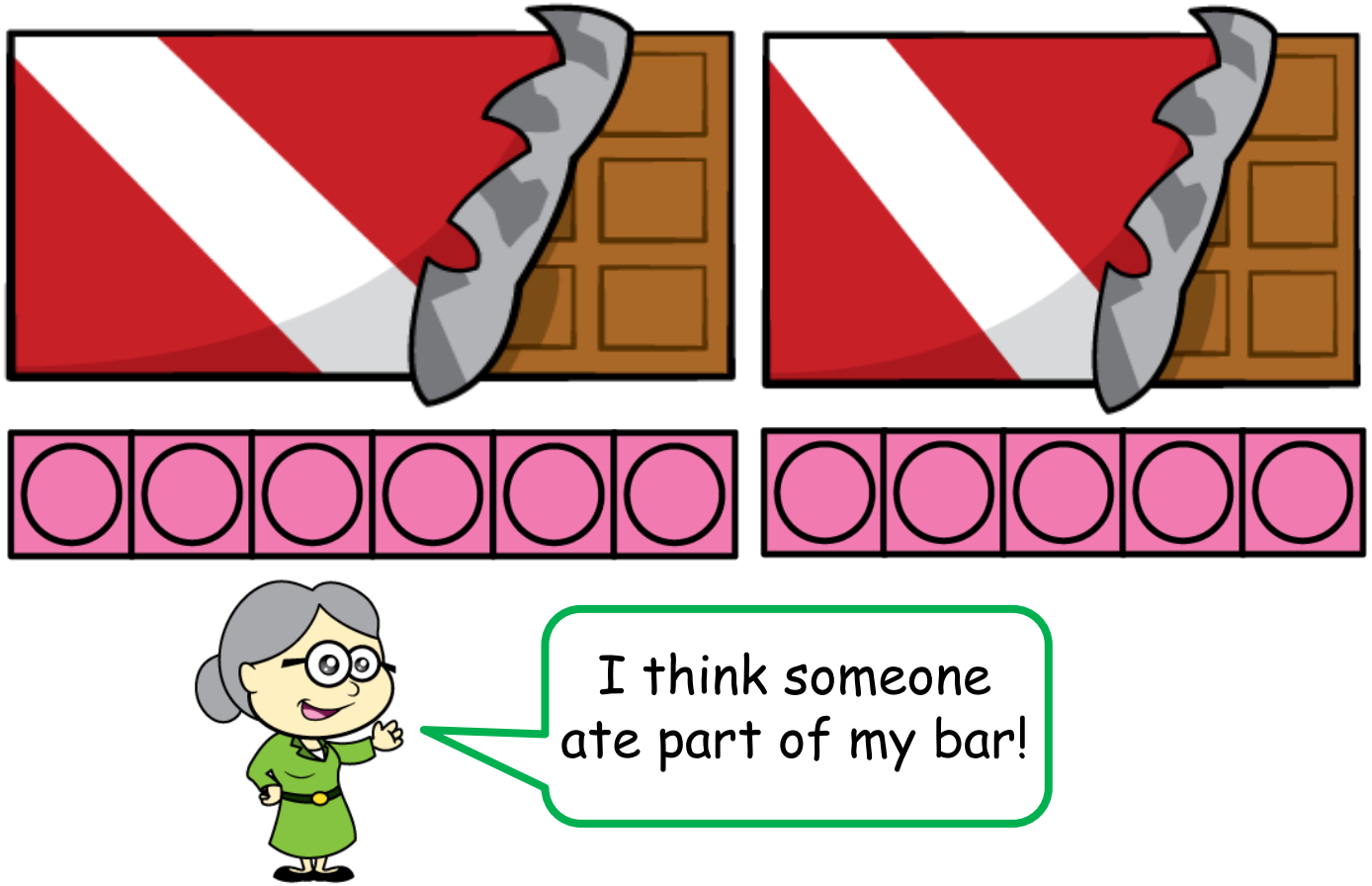
Friday 12th March 2021
LO: subtracting lengths

- Watch the teaching video

- https://vimeo.com/511040266

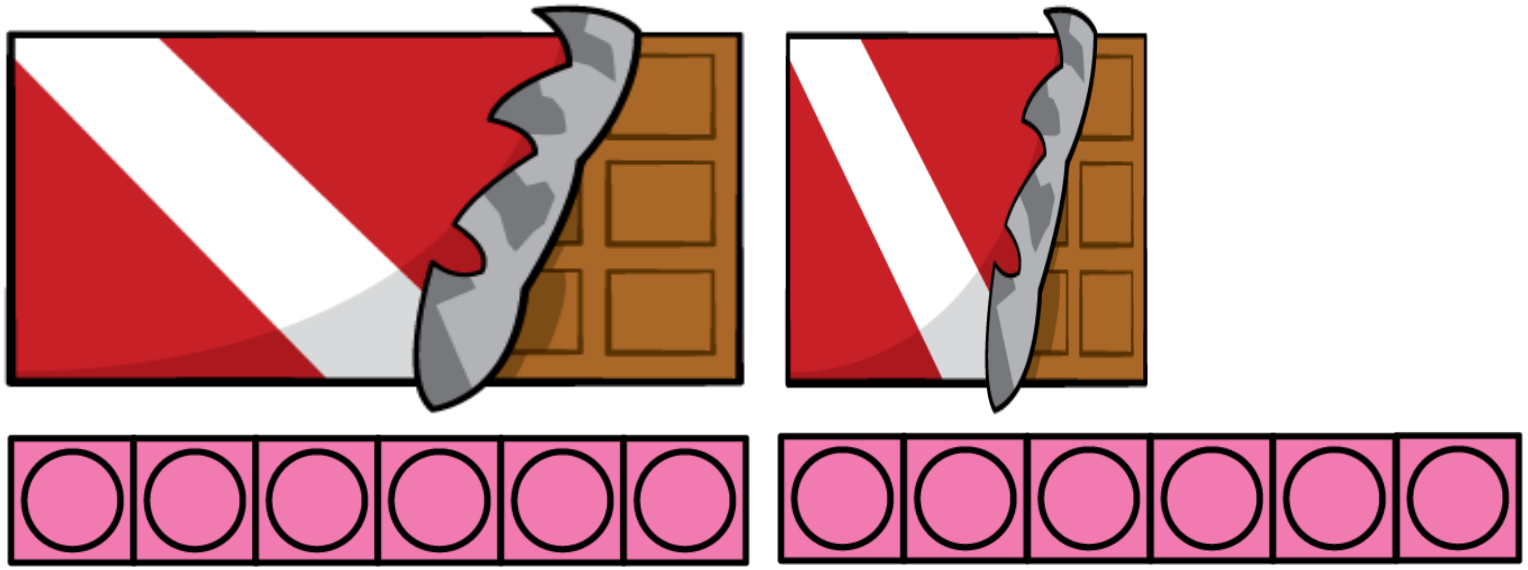
- Answer the questions on the following pages

Subtracting lengths



$6 - 1 = ?$

Subtracting lengths



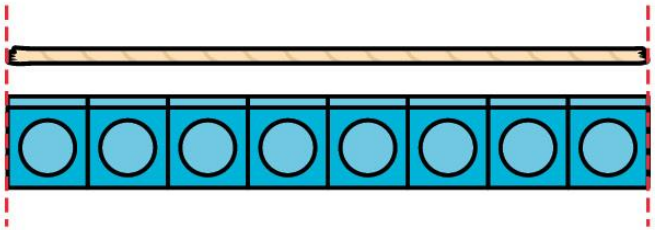


$6 - 3 = ?$

Have a go at question 1
on the worksheet

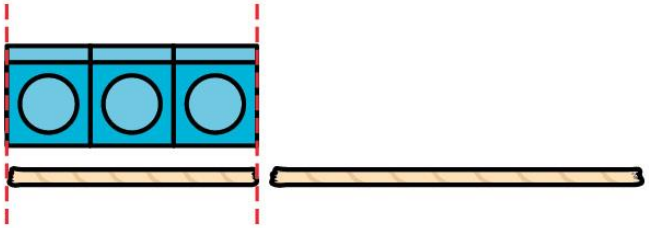
Subtracting lengths

1 A piece of string is 8 cubes long.



The string is cut into two pieces.

The short piece is 3 cubes long.

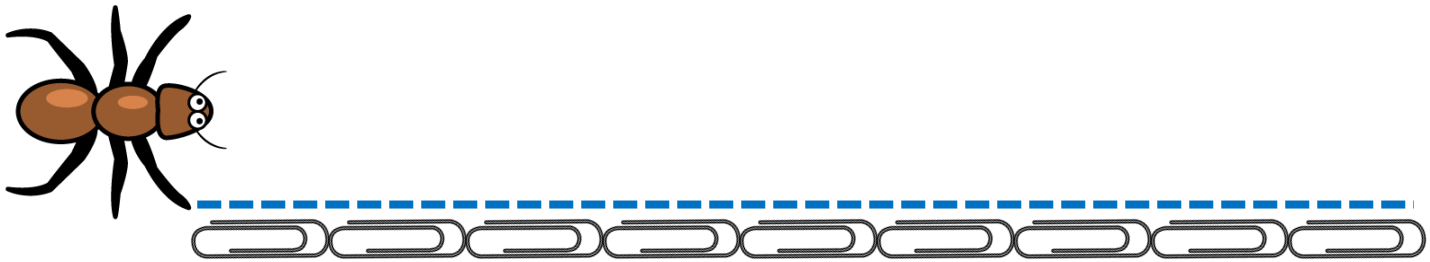


How long is the long piece? ☐ cubes

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Subtracting lengths

Have a think



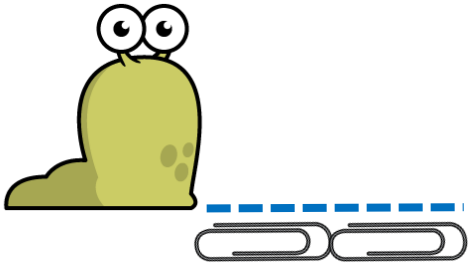


Spider paper clips − ladybirds paper clips =

Subtracting lengths

Have a think





Spider − Slug =

Have a go at question 2
on the worksheet

2 Sam takes 17 steps forwards.

She then walks 5 steps backwards.

How many steps is she away from the start?

 steps

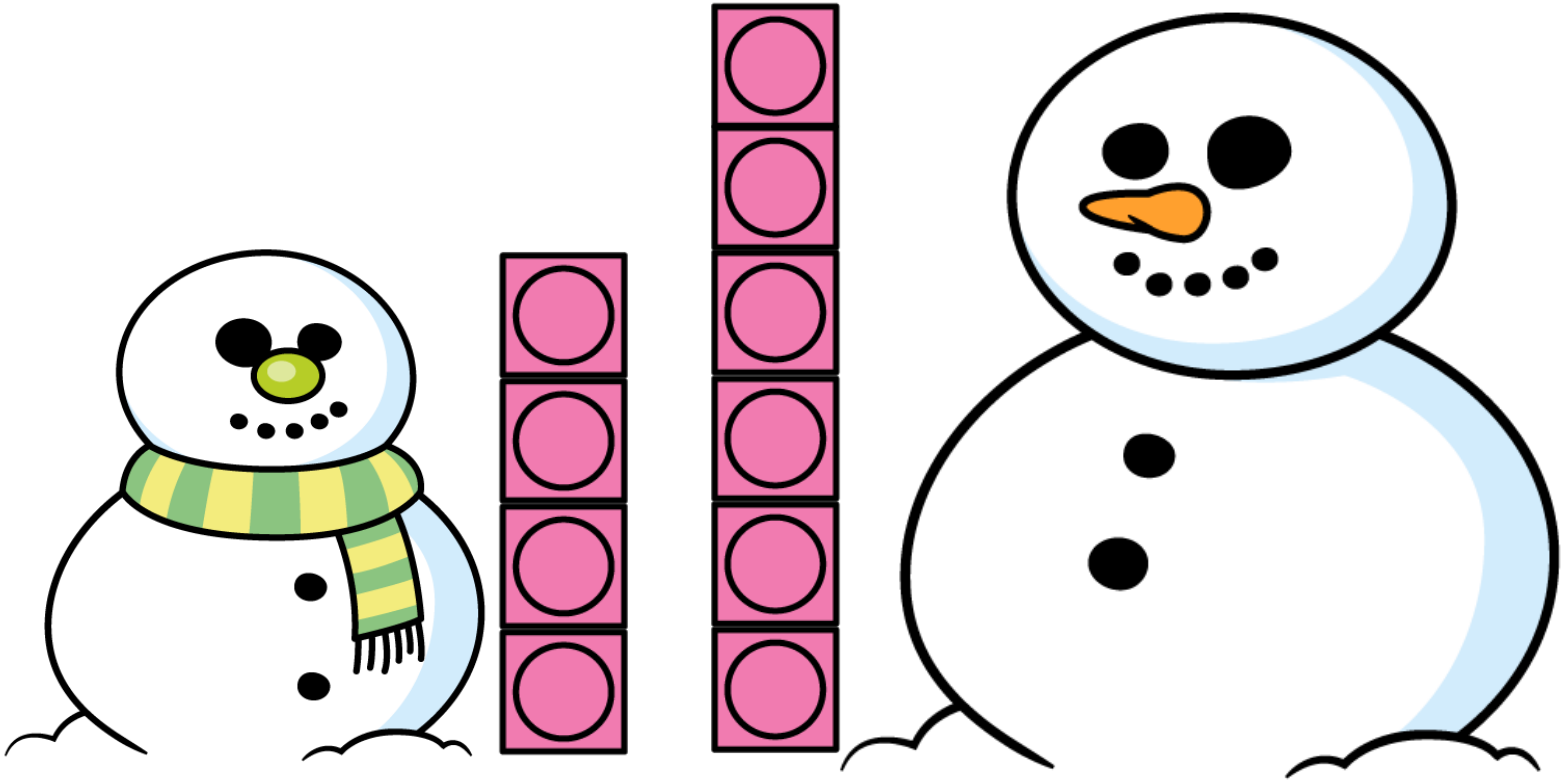
How did you work this out?

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Subtracting lengths

Have a think

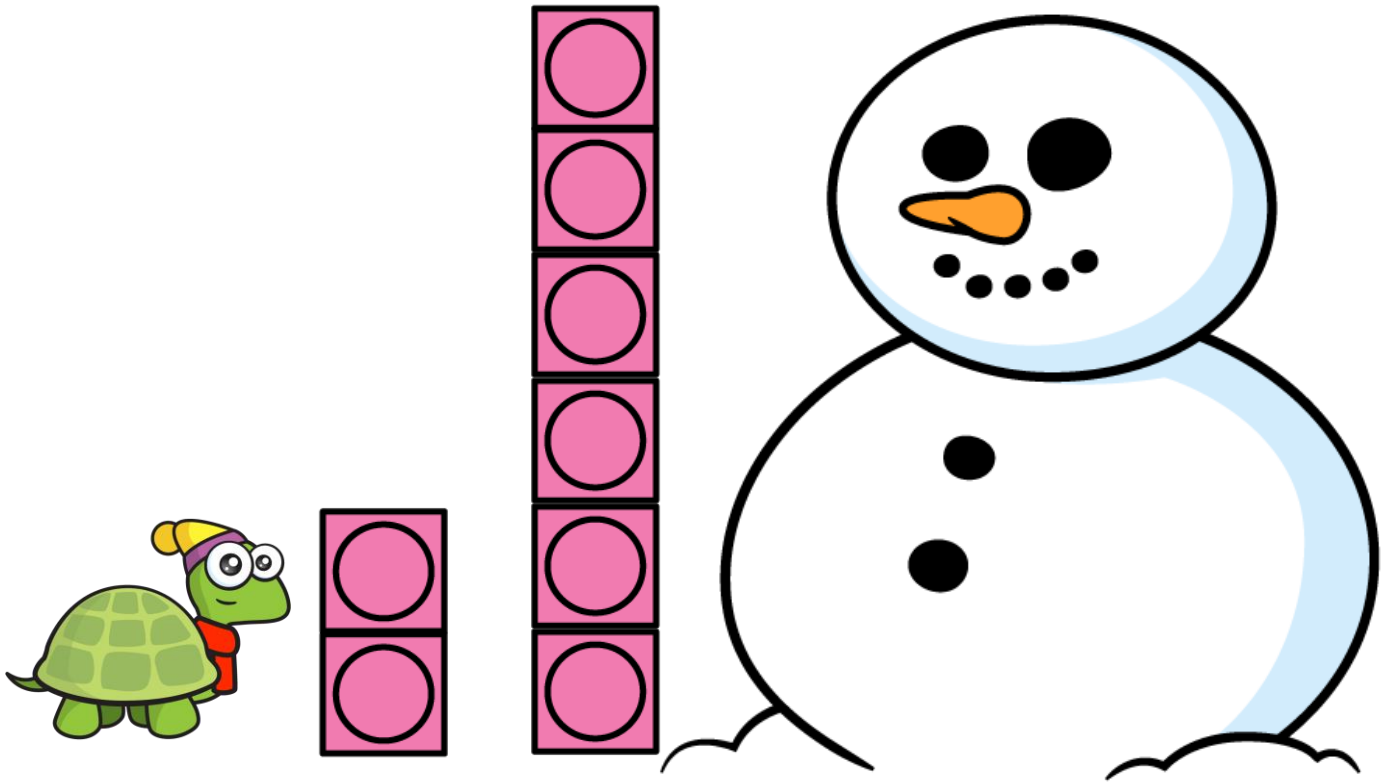
Big snowman − small snowman =



Subtracting lengths

Have a think

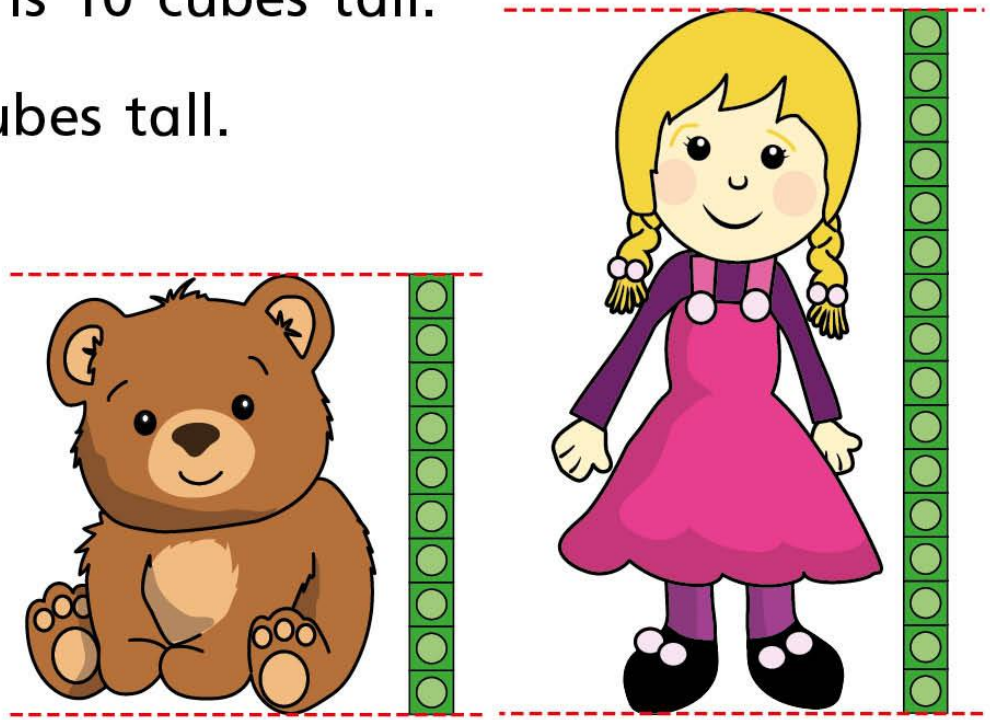
Snowman − Tiny =



Have a go at questions 3 and 4 on the worksheet

3 A teddy bear is 10 cubes tall.

A doll is 16 cubes tall.



How much taller is the doll than the teddy bear?

☐ cubes

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4 A toy train is 18 cubes long.

A toy truck is 14 cubes long.

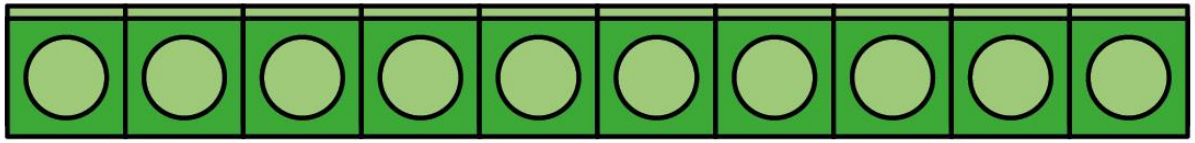
a) How much shorter is the truck than the train?

☐ cubes

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4 **b)** A toy car is 9 cubes shorter than the truck.

Draw the car.



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