

Length and Height

27.04.20

Date: 27.04.20

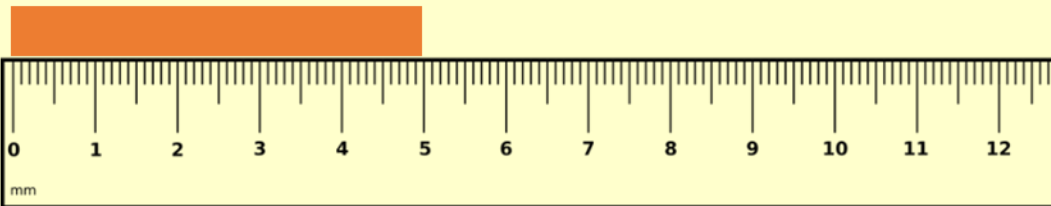
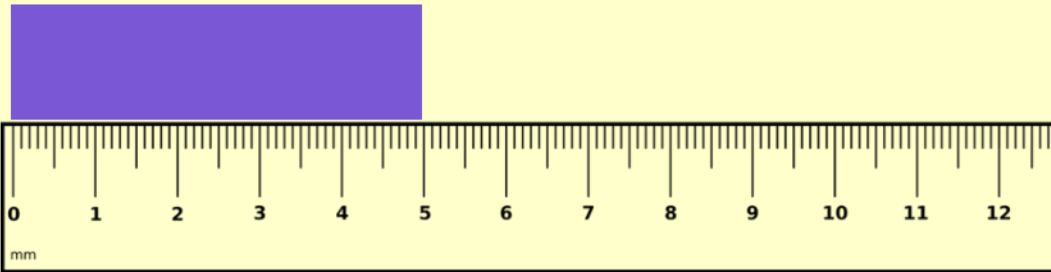
LO: To be able to measure length using cm

Success Criteria

- ✓ I can use my knowledge of measuring with non-standard units of measurement to measure using cm
- ✓ I can explain my reasoning when using my knowledge of measuring with non-standard units of measurement to measure using cm

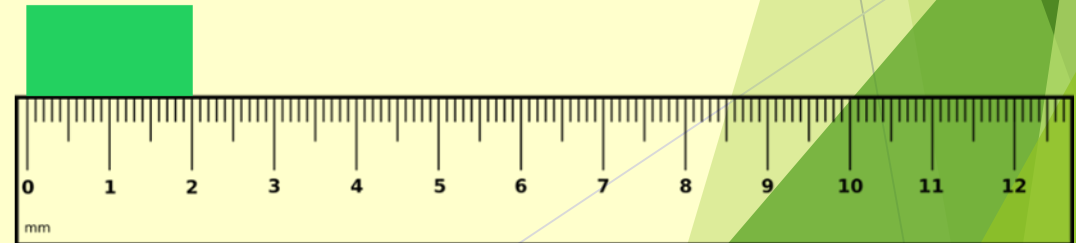
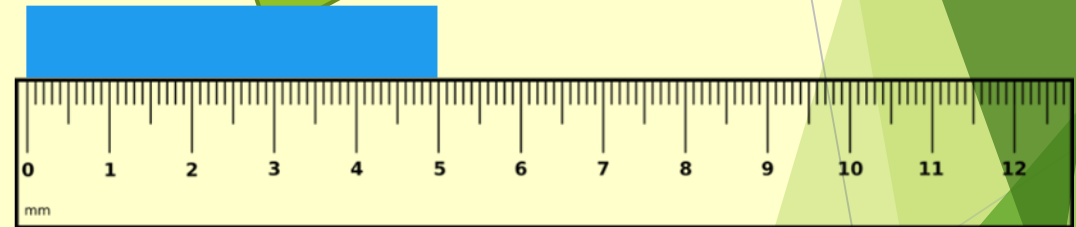
Starter

Which one doesn't belong?



Explain your answer.

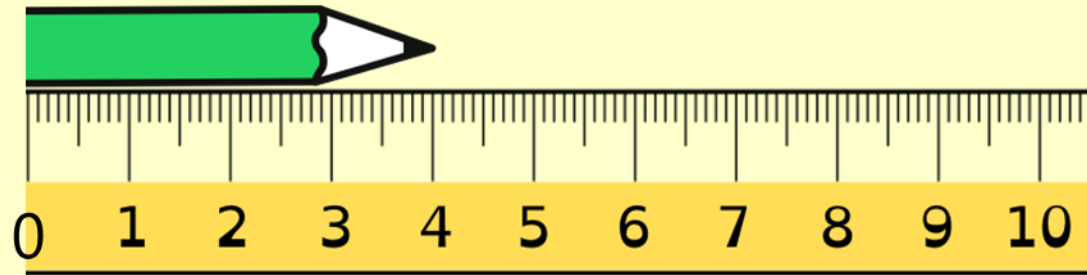
Can you use your measuring skills to explain to a grown up which image doesn't belong. Remember to use I know that statements. I know that it is... because ...



Descriptive teaching

Talking Time:

How long is the pencil?



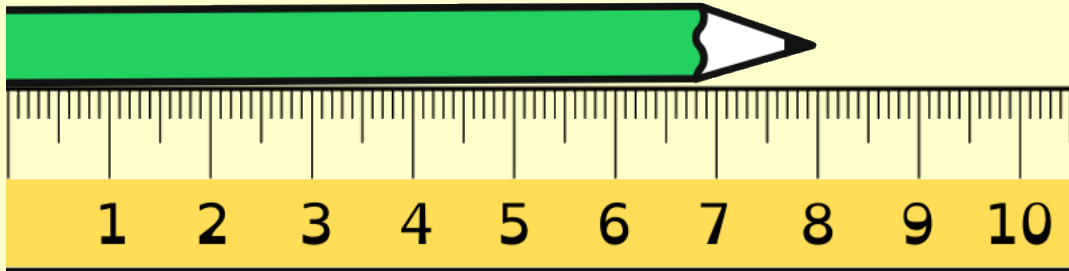
The pencil is __ cm long.

How would you
describe the length of
the pencil?

Descriptive teaching

Talking Time:

How long is the pencil?



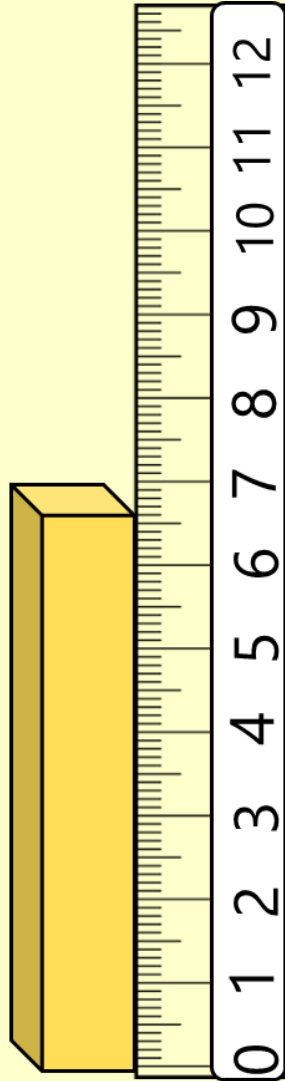
How would you
describe the length of
the pencil?

The pencil is __ cm long.

Descriptive teaching

Talking Time:

How tall is the cuboid in cm?



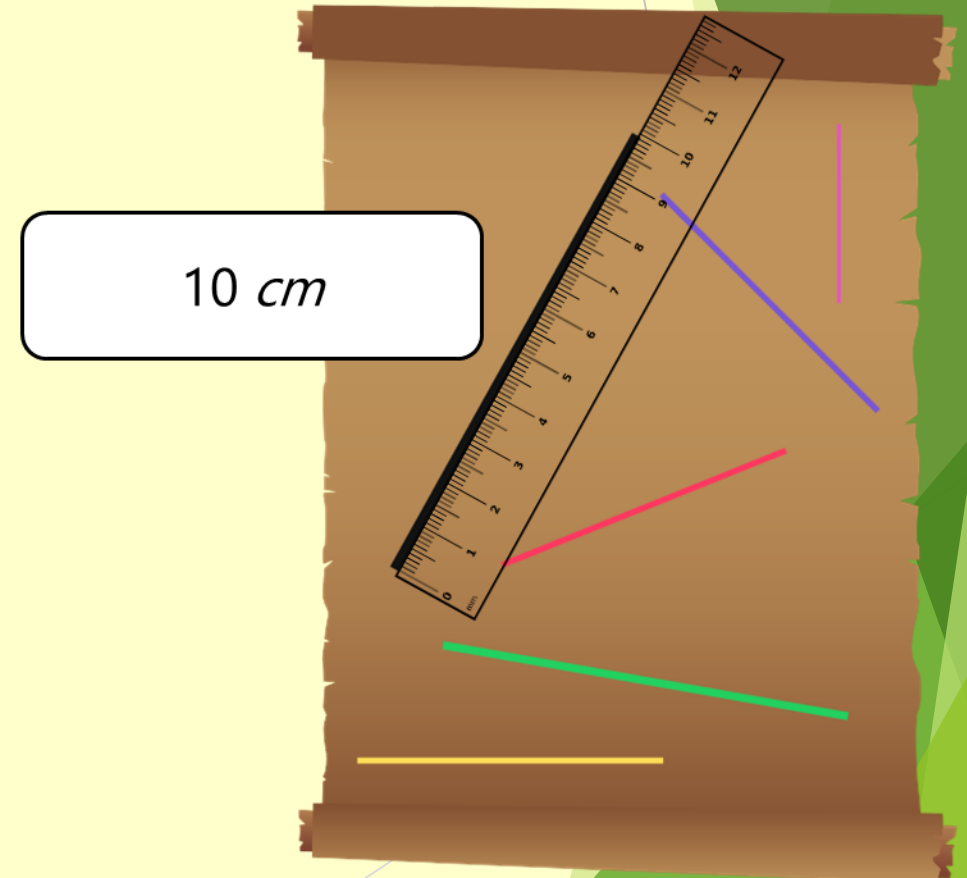
How would you describe the height of the cuboid?

The cuboid is __ cm tall.

Descriptive doing

Draw straight lines of various lengths and orientations on to paper.

Children to measure each line to the nearest cm.

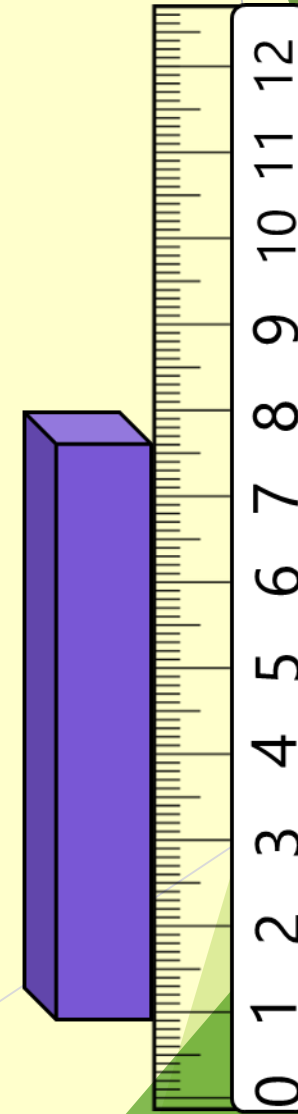


Reflective teaching

James says, "The cuboid is 8 cm tall."

Do you agree?

Explain your answer.



Reflective doing

Discuss with an adult if it is possible to measure the string. Can you do it without moving it?

Is it possible to measure the piece of string shown below?



If so, how would you go about measuring the piece of string?
Explain your answer.

Challenges

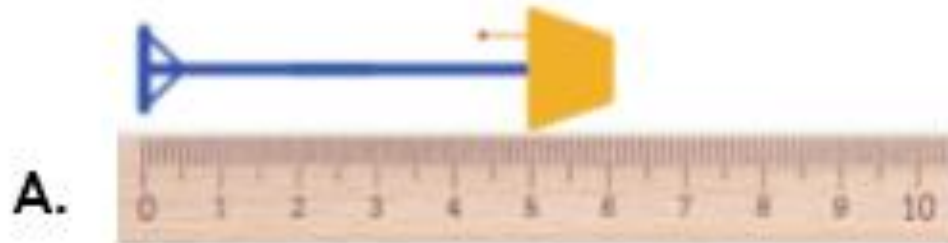
The following slides are questions for you to work through independently. These are reasoning and problem solving question so if it says EXPLAIN you need to write how you know the answer.

There are 3 sets of work - Green (the easiest), Orange and Red(the hardest). Choose one set you feel most comfortable with.

You could challenge yourself by completing more than one challenge!

Challenge

1a. Which is the odd one out?

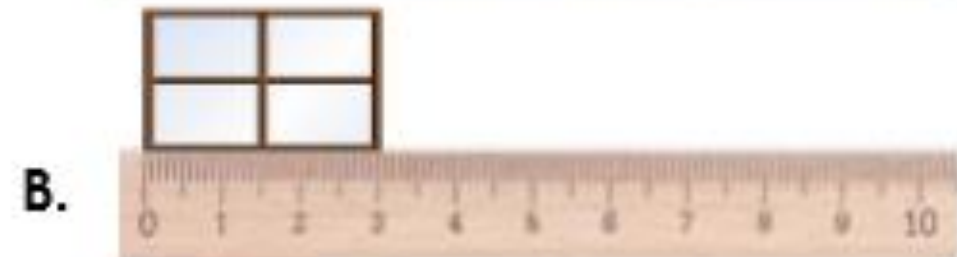


Explain your answer.



R

1b. Which is the odd one out?



Explain your answer.



R

Challenge

2a. Nadia and Alex are measuring the length of a toy flag pole.



Nadia says,



The pole is 8cm long.

Alex says,

The pole is 7cm long.



Who is correct? Explain your answer.



2b. Martin and Harriet are measuring the length of a shelf in a dolls house.



Martin says,



This shelf is 7cm long.

Harriet says,

This shelf is 9cm long.



Who is correct? Explain your answer.



Challenge

3a. David's toy bus measures between 4cm and 9cm.

Find two possible measurements for his toy bus.



PS

3b. Josie's doll measures between 6cm and 10cm.

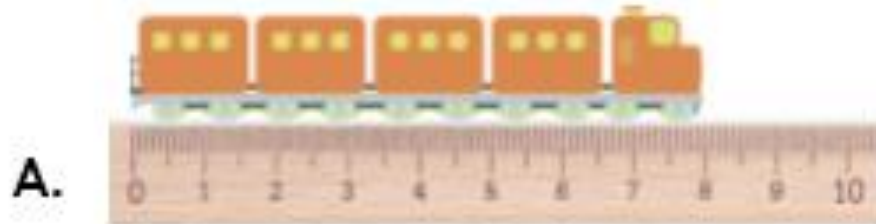
Find two possible measurements for her doll.



PS

Challenge

4a. Which is the odd one out?

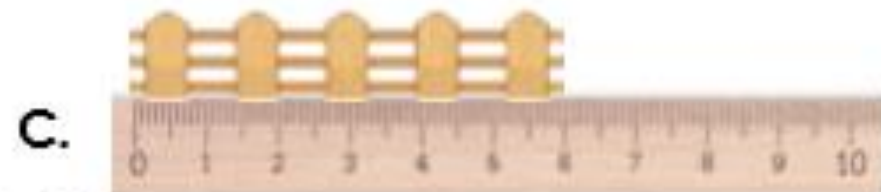
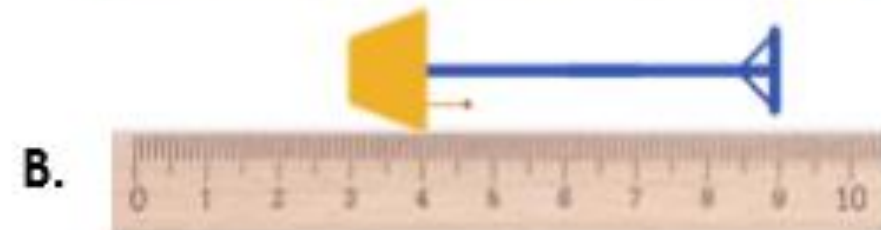


Explain your answer.



R

4b. Which is the odd one out?



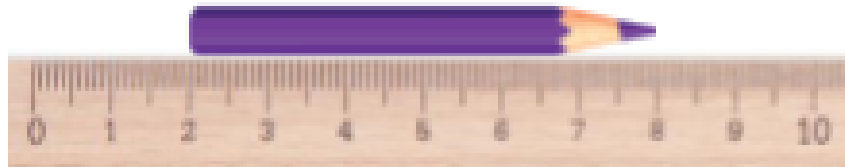
Explain your answer.



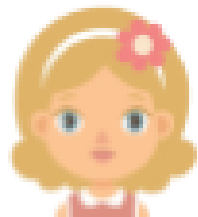
R

Challenge

5a. Zoe and Mike are measuring the length of a pencil.



Zoe says,



This pencil is 8cm long.

Mike says,

This pencil is 6cm long.



Who is correct? Explain your answer.



R

5b. Niall and Sarah are measuring the length of a shape.



Niall says,



The shape is 7cm long.

Sarah says,

This shape is 9cm long.



Who is correct? Explain your answer.



R

Challenge

6a. Abdul's toy bottle measures between 10cm and 15cm.

What are the possible measurements his bottle of drink could be?



PS

6b. Pippa's colouring pencils measure between 9cm and 14cm.

What are the possible measurements her colouring pencils could be?



PS

Challenge

7a. Which is the odd one out?

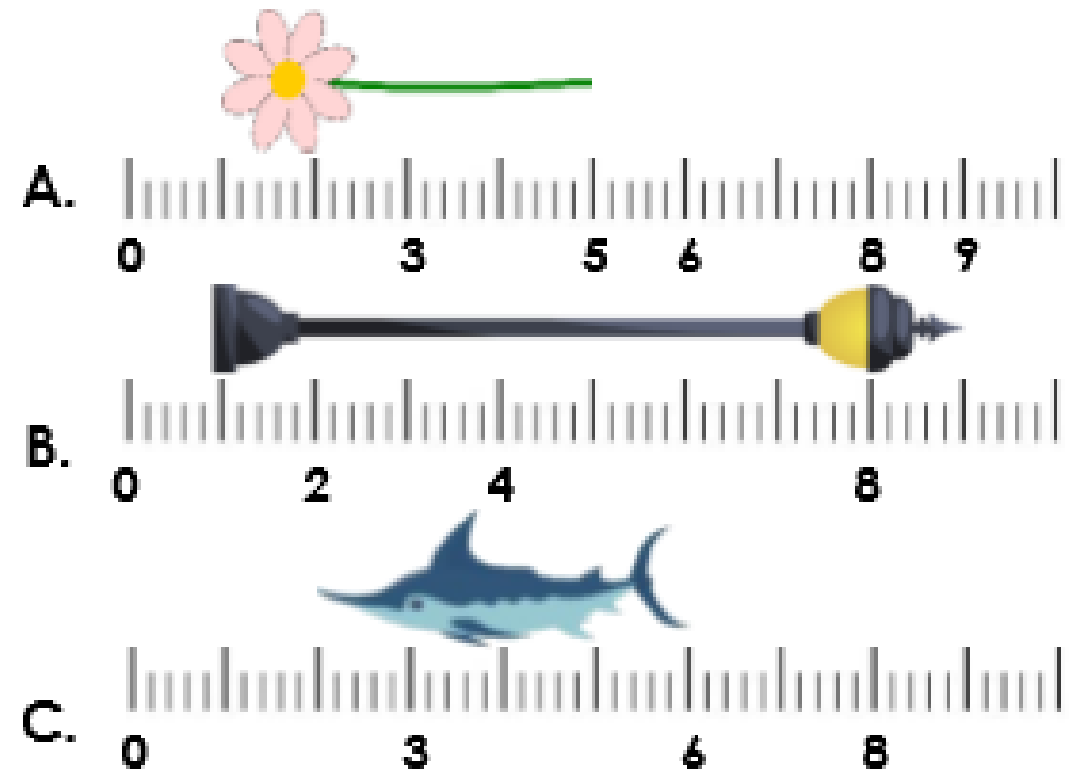


Explain your answer.



12

7b. Which is the odd one out?



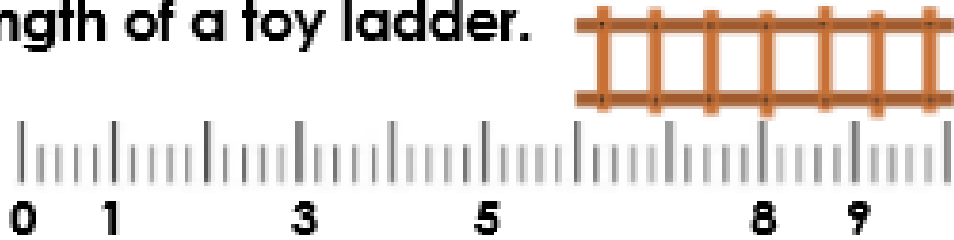
Explain your answer.



12

Challenge

8a. Ciara and Tom are measuring the length of a toy ladder.



Ciara says,



The ladder is 4cm long.

Tom says,

The ladder is 6cm long.



Who is correct? Explain your answer.



R

8a. William and Isabel are measuring the length of a toy spear.



William says,



The spear is 9cm long.

Isabel says,

The spear is 7cm long.



Who is correct? Explain your answer.

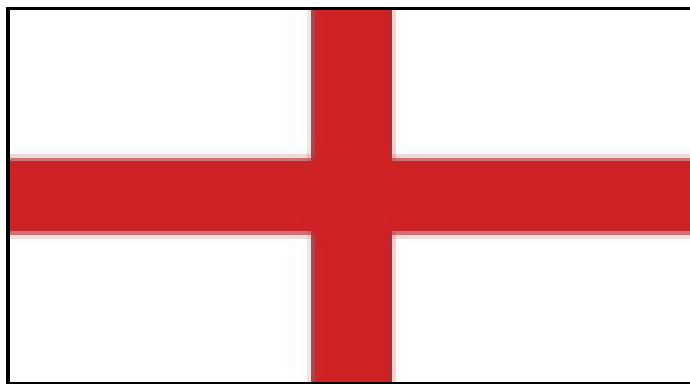


R

Challenge

9a. Gemma's flag measures between 10cm and 20cm.

What are the possible measurements her flag could be if her answer is an even number?



PS

9b. Frank's teddy measures between 5cm and 15cm.

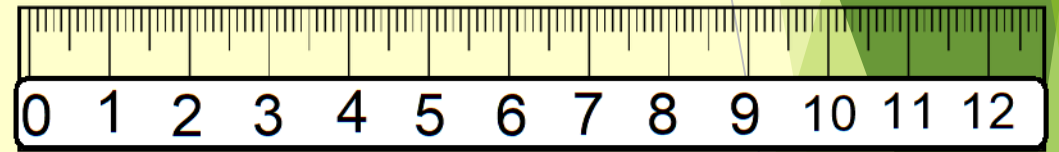
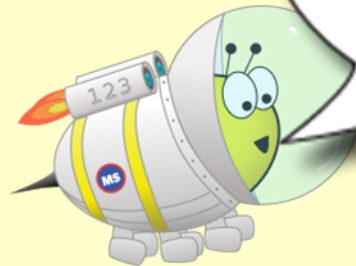
What are the possible measurements his teddy could be if his answer is an odd number?



PS

Reflection Time

I can measure lengths
to a maximum of 12
cm.



Do you agree with Astrobee?
Explain your answer.

Length and Height

28.04.20

Date: 28.04.20

LO: To be able to measure length using m

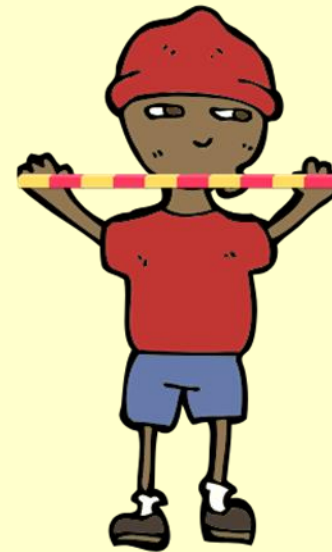
Success Criteria

- ✓ I can use my knowledge of measuring using cm to measure length using m
- ✓ I can explain my reasoning when using my knowledge of measuring using cm to measure length using m

Starter

What is the same and what is different?
I know that.... Is the same/ different because....

If the yellow and red stick measures 1 metre in length, what's the same and what's different?



Explain your answer.

Descriptive doing

Can you sort the objects into more than and less than 1 m?

Measure the following using metre sticks (or tape measures) to the nearest metre and to the nearest metre and centimetre.

- Five large items from the garden
- Five pieces of furniture from the house
- Five big steps by three different people

Keep a record of the measurements you take in your book!

Example: The bench is 1 metre and 57 centimetres wide.

Descriptive teaching

If 1 metre and 23 centimetres can be written as 1 m and 23 cm, then

1 metre and 45 centimetres

can be written as

__ m and __ cm

Descriptive teaching

If 1 metre and 23 centimetres can be written as 1 m and 23 cm, then

4 metres and 23 centimetres

can be written as

__ m and __ cm

Descriptive teaching

Yasmin is measuring pieces of wood in the timber yard.
What is the length of the piece of wood being measured?

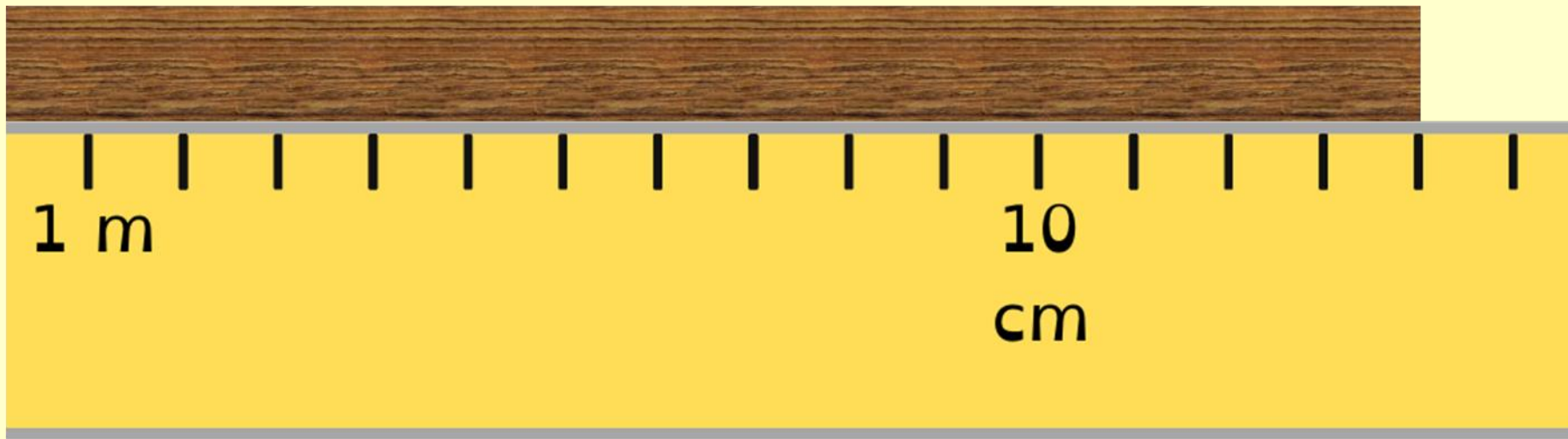


__ m and __ cm

Descriptive doing

Yasmin is measuring pieces of wood in the timber yard.
What is the length of the piece of wood being measured?

Now have a go at
measuring using m
and cm



__ m and __ cm

Reflective teaching

Measure the following objects or distances:

- five windows, doors or walls in your house
- two corridors in your house
- The living room

Record the measurements in the format __ m and __ cm.

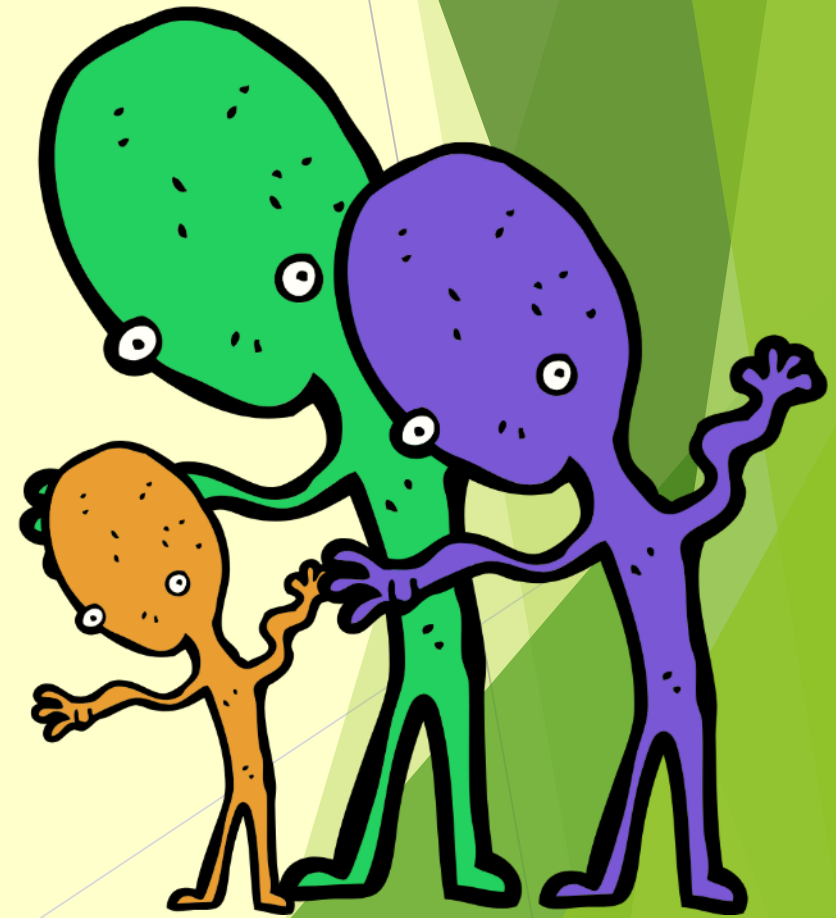
Reflective doing

The green alien is 4 m tall.

The green alien is double the height of the orange alien.

The purple alien is taller than the orange alien, but shorter than the green alien.

- a) How tall is the orange alien?
- b) How tall is the purple alien?
How many possible measurements can you think of?



Challenge

1a. Use the digit cards to estimate a suitable length for these objects.

bus m and cm

scooter m and cm



PS

1b. Use the digit cards to estimate a suitable length for these objects.

train m and cm





go-kart m and cm



PS

Challenge

2a. Amelia has been sorting objects into the chart below.



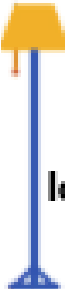

Measure in metres	Measure in centimetres
 house  sweet	 banana  pencil

Has she sorted them correctly? Explain your answer.



R

2b. Hasan has been sorting objects into the chart below.

Measure in metres	Measure in centimetres
 giraffe	 apple  lamp  bird

Has he sorted them correctly? Explain your answer.



R

Challenge

3a. Alfie is measuring objects. He says,



I think the snake is 2m and 20cm.

Is he correct? Explain your answer.



R

3b. Anna is measuring objects. She says,



I think the snake is 2m and 90cm.

Is she correct? Explain your answer



R

Challenge

4a. Use the digit cards to estimate a suitable length for these objects.

car m and cm

bike m and cm



PS

4b. Use the digit cards to estimate a suitable length for these objects.

coach m and cm





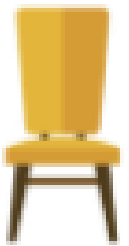
surf board m and cm



PS

Challenge

5a. Abel has been sorting objects into the chart below.


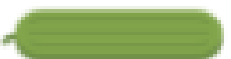




Measure in metres	Measure in centimetres
 dolphin  car	 bread  tree  chair

Has he sorted them correctly? Explain your answer.



R

5b. Julia has been sorting objects into the chart below.

Measure in metres	Measure in centimetres
 street light  cucumber  hippo	 ball  toy  meerkat

Has she sorted them correctly? Explain your answer.



R

Challenge

6a. Naseem is measuring objects. She says,



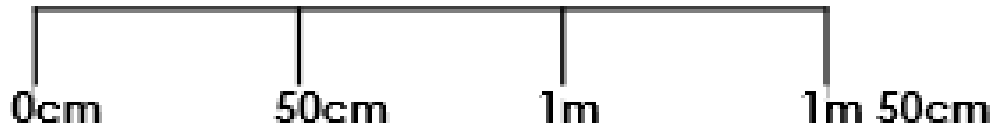
I think the snake is 1m and 75cm.

Is she correct? Explain your answer.



R

6b. Simon is measuring objects. He says,



I think the snake is 1m and 35cm.

Is he correct? Explain your answer



R

Challenge

7a. Use the digit cards to estimate a suitable length for these objects.

van cm

motor-bike m and cm

2 8 3 5 1 9



PS

7b. Use the digit cards to estimate a suitable length for these objects.

lorry cm

bike m and cm



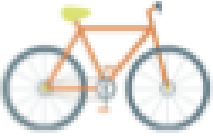


1 5 4 8 7 9



PS

Challenge

8a. Sobia has been sorting objects into the chart below.



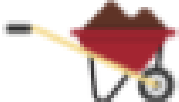


Measure in metres	Measure in centimetres
 horse  monkey  bike	 fish  umbrella

Has she sorted them correctly? Explain your answer.



R

8b. Stefan has been sorting objects into the chart below.

Measure in metres	Measure in centimetres
 spade  seal	 wheelbarrow  trike  fox

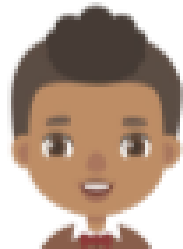
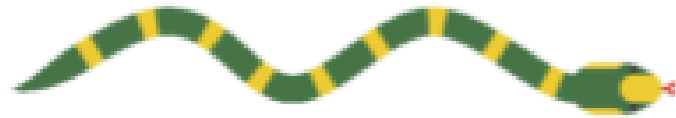
Has he sorted them correctly? Explain your answer.



R

Challenge

9a. Awais is measuring objects. He says,



I think the snake is
379cm.

Is he correct? Explain your answer.



R

9b. Leila is measuring objects. She says,



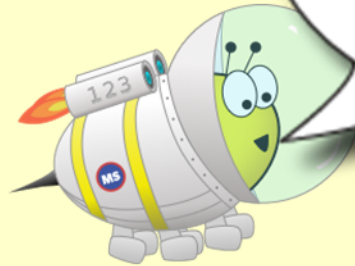
I think the snake is
324cm.

Is she correct? Explain your answer



R

Reflection



If I have a 1 m ruler
and Bumble is longer
than 1 m, I can't
measure Bumble.

Do you agree with Astrobee?
Explain your answer.

Length and Height

29.04.20

Date: 29.04.20

LO: To be able to compare lengths

Success Criteria

- ✓ I can use phrases such as “longer/taller than”, “shorter than” and “equal to” as well as the comparison symbols $<$, $>$ and $=$ to compare lengths
- ✓ I can explain my reasoning when using phrases such as “longer/taller than”, “shorter than” and “equal to” as well as the comparison symbols $<$, $>$ and $=$ to compare lengths

Starter

What is the same and
what is different?
I know that.... Is the
same/ different because....

Comparing the following length measurements, what is the same?
What's different?

27 m

24 m

Explain your answer.

Descriptive Teaching

Use the mathematical language to compare the lengths.

Using the phrases, "longer/taller than", "shorter than" and "equal to", compare:

7 cm

9 cm

6 m

6 cm

seven
metres

700 cm

Descriptive Teaching

Use the mathematical language to compare the lengths.

Using the phrases, "longer/taller than", "shorter than" and "equal to", compare:

17 m

14 m

16 cm

16 m

twenty
centimetres

20 cm

Descriptive Doing

Complete this in your books

Using the phrases, "longer/taller than", "shorter than" and "equal to", compare:

34 m

39 m

27 cm

twenty-seven
centimetres

thirty
metres

30 cm

Reflective Doing

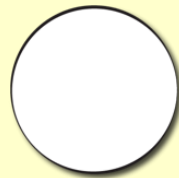
Use the symbols $<$, $>$ and $=$ to complete the following...

4 m



14 m

16 cm



6 m

19 cm



19 centimetres

Now have a go at using the symbols to explain it is greater than, less than or equal.

Reflective Doing

Complete this in your books

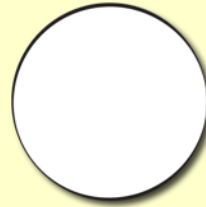
Use the symbols $<$, $>$ and $=$ to complete the following...

fifty
metres



53 cm

49 cm



49 m

fifty-two
centimetres



52 cm

Reflective Doing

Complete this in your books

A dark piece of wood is twice as long as a light piece of wood.



Using this information, complete the following using $<$, $>$ or $=$.

three pieces of dark wood ____ three pieces of light wood

two pieces of dark wood ____ four pieces of light wood

three pieces of dark wood ____ seven pieces of light wood

Challenge

1a. Michaela's flower grows to be 12cm.
Suzy's flower is shorter.

16cm

9cm

Choose which measurement describes
Suzy's flower.



PS

1b. Marley has a longer garden than
Luca. It measures 10m.

12m

3m

Choose which measurement describes
Luca's garden.



PS

Challenge

2a. Arrange the cards below in the following template to create two true statements.

>

15cm

<

8cm

24cm



PS

2b. Arrange the cards below in the following template to create two true statements.

>

16m

<

21m

30m



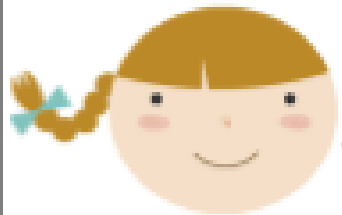
PS

Challenge

3a. Samantha uses a tape measure to find the length of two planks of wood.

Plank A is 2m long and Plank B is 10m long.

Samantha says,



Plank A is shorter than Plank B.

Is she correct? Explain how you know.



R

3b. Chris uses a ruler to find the length of two pencils.

Pencil A is 16cm long and Pencil B is 12cm long.

Chris says,



Pencil B is longer than Pencil A.

Is he correct? Explain how you know.



R

Challenge

4a. Jordan's piece of string is the longest and measures 3m. Matt's string is smaller than Lucy's and measures 100cm.

12m

45m

2m

Choose which measurement describes Lucy's piece of string.



PS

4b. Rosie's kitten measures 24cm and is longer than Wilf's kitten. Noreen's kitten is the smallest and measures 12cm.

5cm

17cm

117cm

Choose which measurement describes Wilf's kitten.



PS

Challenge

5a. Arrange the cards below in the following template to create three true statements.

>

40cm

<

35cm

40m



PS

5b. Arrange the cards below in the following template to create three true statements.

>

12cm

<

1cm

1m



PS

Challenge

6a. Nathan uses a tape measure to find the length of two boxes.

Box A is four metres long and Box B is 4cm long.

Nathan says,



Box B is the longest box.

Is he correct? Explain how you know.

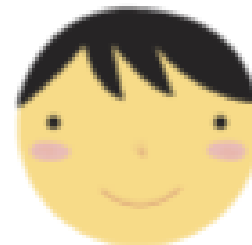


R

6b. Dylan uses a tape measure to find the length of two ropes.

Rope A is 6 centimetres long and Rope B is 6m long.

Dylan says,



Rope A is the longest rope.

Is he correct? Explain how you know.



R

Challenge

7a. Jaimie's bag is the smallest and measures 60cm. Ella's bag measures 120cm and is longer than Jack's.

130cm

4m

1m

Choose which measurement describes Jack's bag.



PS

7b. Nadia has the shortest sunflower which measures 108cm. Jess's sunflower measures 2m, and Claudia's sunflower is the same height as Jess's.

2cm

200cm

117cm

Choose which measurement describes Claudia's sunflower.



PS

Challenge

8a. Arrange the cards below in the following template to create three true statements.

--	--	--	--	--

>	34cm	<
---	------	---

34m	134m
-----	------



8b. Arrange the cards below in the following template to create three true statements.

--	--	--	--	--

>	72cm	<
---	------	---

172m	72m
------	-----

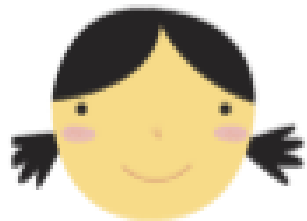


Challenge

9a. Hannah uses a metre stick to find the length of three walls.

Wall A is 1m long, Wall B is ten metres long and Wall C is 100cm long.

Hannah says,



Wall A is shorter than Wall B, but longer than Wall C.

Is she correct? Explain how you know.

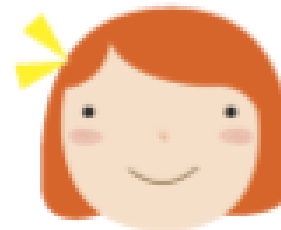


R

9b. Eden uses a ruler to find the length of three picture frames.

Frame A is forty centimetres long, Frame B is 120cm long and Frame C is 29cm long.

Eden says,



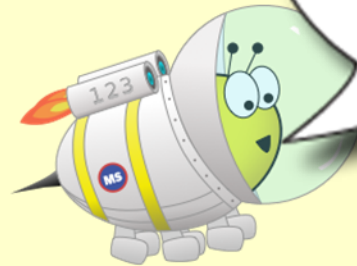
Frame C is shorter than Frame A, but longer than Frame B.

Is she correct? Explain how you know.



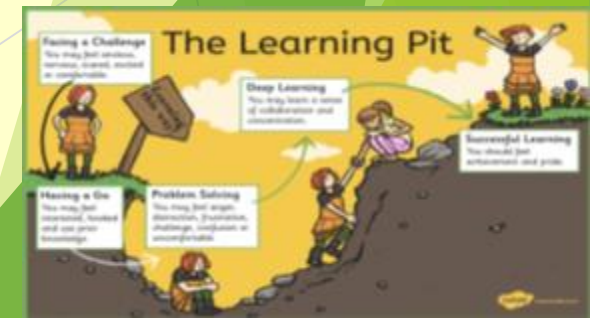
R

Reflection Time



If a measurement has a greater number, it is longer than any other measurement.

Is Astrobee's statement sometimes, always or never true?
Explain your answer.



Length and Height

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LO: To be able to order lengths

Success Criteria

- ✓ I can use my knowledge of measuring and comparing lengths to order lengths
- ✓ I can explain my reasoning when using my knowledge of measuring and comparing lengths to order lengths

Starter

Can you explain to a grown up what
would come before 10 m and after
15 m in this sequence?
I know.... because....

If the following are the second and third steps in a sequence, what would come before and what would come afterwards?

10 m

15 m

Explain your answer.

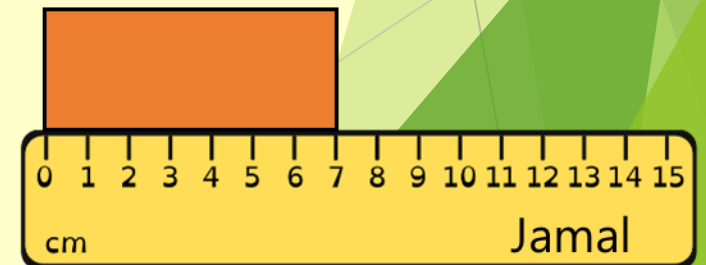
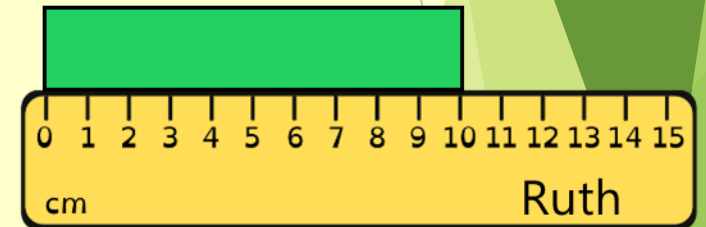
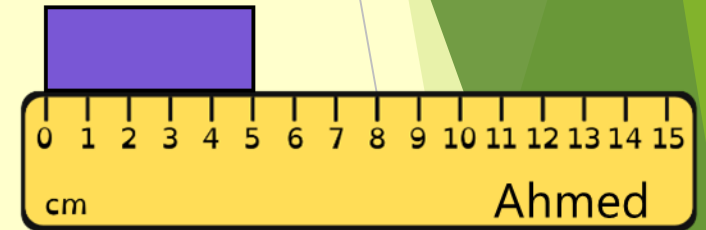
Descriptive Teaching

Ahmed, Ruth and Jamal are comparing their rectangles.

Who has
the longest
rectangle?

Complete the sentence below:

_____’s rectangle is the longest.



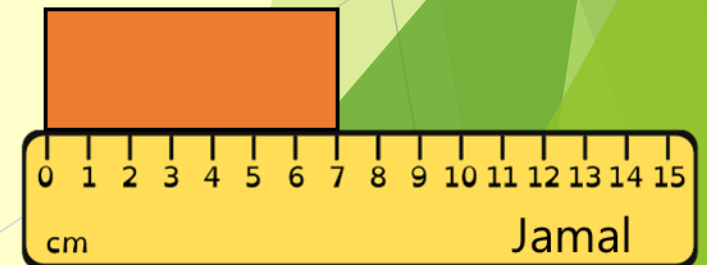
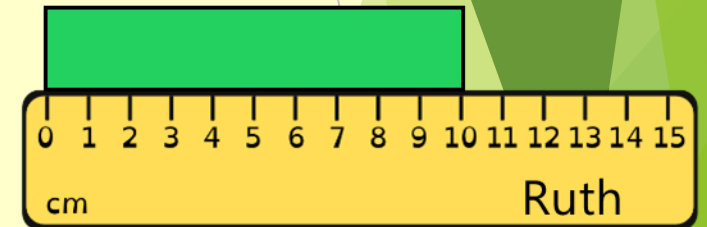
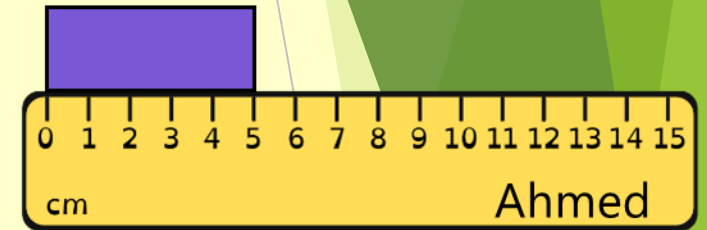
Descriptive Teaching

Ahmed, Ruth and Jamal are comparing their rectangles.

Who has
the
shortest
rectangle?

Complete the sentence below:

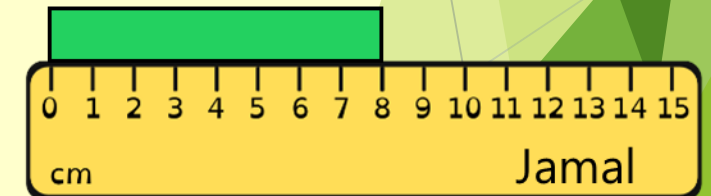
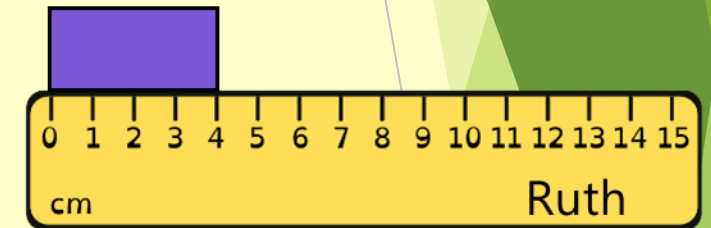
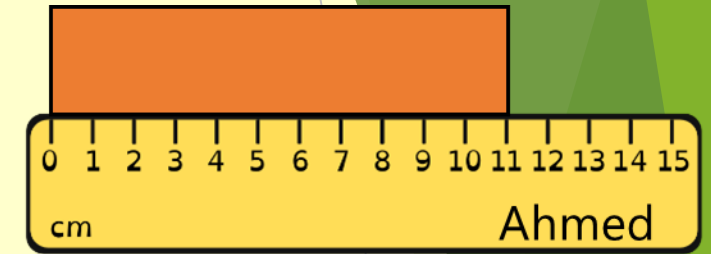
_____’s rectangle is the longest.



Descriptive Teaching

Talking Time:

Ahmed, Ruth and Jamal are comparing their rectangles.



Complete the sentence below:

_____’s rectangle is shorter than Jamal’s.

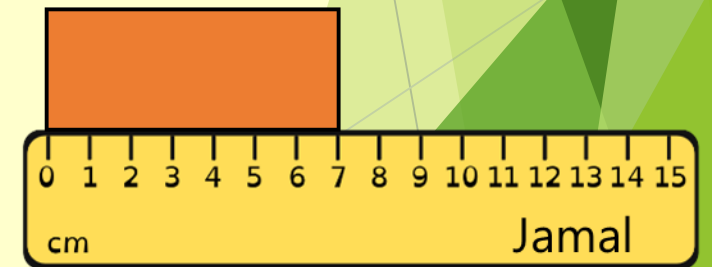
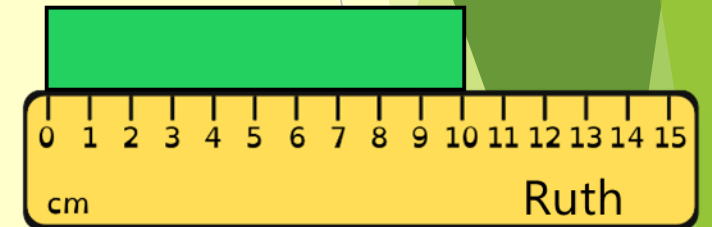
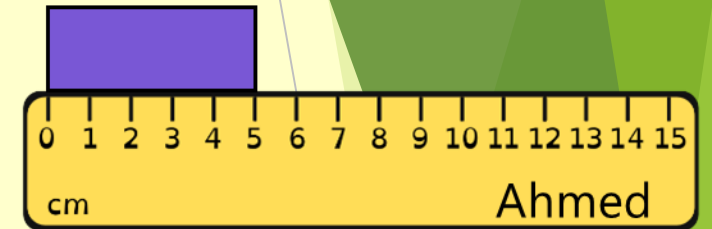
Descriptive Teaching

Talking Time:

Ahmed, Ruth and Jamal are comparing their rectangles.

Complete the sentence below:

_____’s rectangle is longer than Jamal’s.



Descriptive Doing

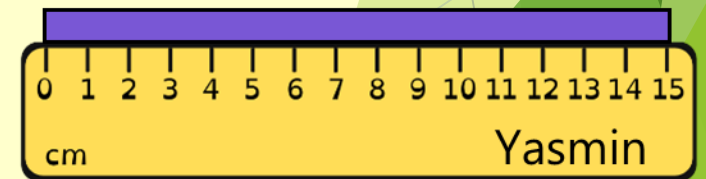
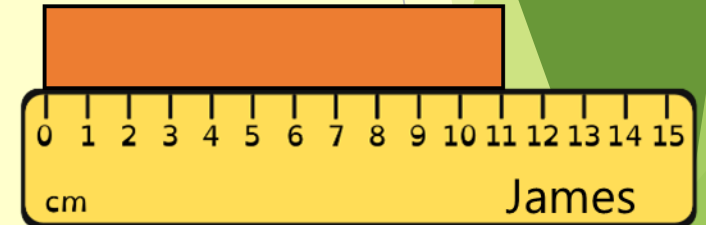
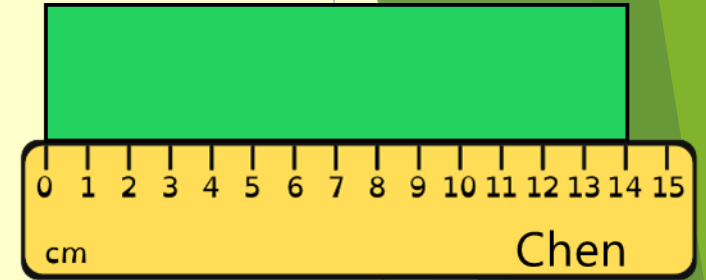
Chen, James and Yasmin are comparing their rectangles.
Complete the sentence below:

_____’s rectangle the longest.

_____’s rectangle the shortest.

_____’s rectangle is longer than Chen’s.

_____’s rectangle is shorter than Chen’s.



Descriptive Doing

Select four books (of different sizes).

Order them from shortest to longest based on their width.

Now, order them from shortest to longest based on their height.

What's the same? What's different?

Have certain books changed their place in the order?

Keep a record in your exercise book, explaining your answers.

Remember to explain
your answer.
I know that...
because...



Challenge

1a. These toys have been placed in order of length from longest to shortest.



Match the toy to its length.

Trumpet
Duck
Tower

56cm
11cm
34cm



PS

1b. These flowers have been placed in order of height from shortest to longest.



Match the food to its height.

Sunflower
Cactus
Lily

98cm
56cm
49cm



PS

Challenge

2a. Here are the lengths of some foods.

Item	Length
loaf	42cm
donut	12cm
bun	20cm

Use the symbol $<$ to order the statements.

loaf

2 buns

donut



PS

2b. Here are the heights of some animals.

Item	Height
elephant	3m
giraffe	6m
gorilla	1m

Use the symbol $>$ to order the statements.

giraffe

gorilla and
elephant

elephant



PS

Challenge

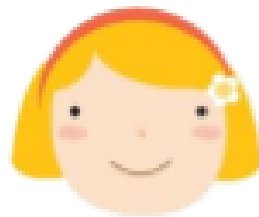
3a. Samantha has ordered her toy aliens.



Hayley's one-eyed alien is taller than Samantha's one-eyed alien.

Hayley says,

I have the tallest alien.



Is she correct? Convince me.



R

3b. Kyle has picked and ordered his fruit.



Alex has picked a starfruit that is smaller than Kyle's.

Alex says,

I have picked the smallest fruit.



Is he correct? Convince me.



R

Challenge

4a. These toys have been placed in order of length from longest to shortest.



Match the toy to its length.

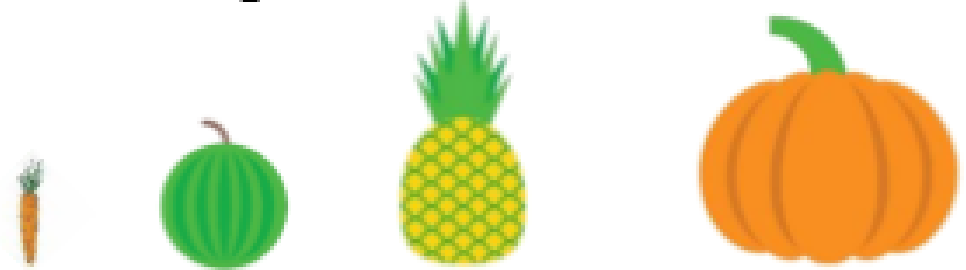
Bus
Helicopter
Boat
Scooter

66cm
46cm
1m 4cm
21cm

PS



4b. These foods have been placed in order of height from shortest to tallest.



Match the food to its height.

Pineapple
Watermelon
Pumpkin
Carrot

1m 34cm
27cm
17cm
76cm

PS



Challenge

5a. Here are the lengths of some toys.

Item	Length
car	twenty two centimetres
toy snake	55cm
dolls' house	1m 15cm

Use the symbol $<$ to order the statements.

dolls' house

2 cars

car and toy
snake

toy snake



PS

5b. Here are the heights of some items.

Item	Height
desk	61cm
door	1m 50cm
box	30cm

Use the symbol $>$ to order the statements.

desk and
box

2 boxes

door

desk



PS

Challenge

6a. Katie has picked and ordered these flowers.



Lily



Sunflower

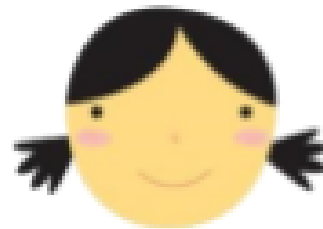


Azalea

Carla has a sunflower that is taller than Katie's sunflower.

Carla says,

My flower will go last.

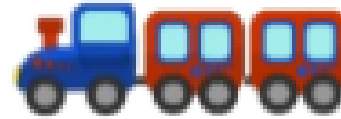


Is she correct? Convince me.



R

6b. Billy ordered his toy vehicles.



Zack has a car that is shorter than Billy's.

Billy says,

I have the shortest vehicle.



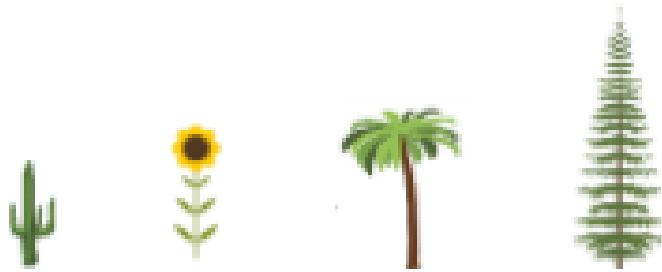
Is he correct? Convince me.



R

Challenge

7a. These plants have been placed in order of height from shortest to tallest.



Match the toy to its length.

Palm tree
Sunflower
Cactus
Pine tree

30m
126cm
11m
1m 11cm

PS



7b. These toy vehicles have been placed in order of length from longest to shortest.



Match the vehicle to its length.

Ambulance
Taxi
Bus
Scooter

164cm
98cm
1m 32cm
78cm

PS



Challenge

8a. Here are the heights of some children.

Name	Height
Katie	85cm
Laura	1m 5cm
Lark	103cm

Use the symbol $<$ to order the statements.

Katie

Katie and
Lark

Lark and
Laura

Laura



PS

8b. Here are the lengths of some items.

Item	Length
table	154cm
TV	60cm
rug	1m 5cm

Use the symbol $>$ to order the statements.

TV and rug

2 rugs

table

TV



PS

Challenge

9a. Henry has grown these vegetables.



Mike has grown a potato that is longer than Henry's and a radish that is shorter than Henry's.

Mike says,

I have grown the shortest vegetable.



Is he correct? Convince me.



9b. Cassie has picked these flowers.



Lily



Azalea



Sunflower

Millie has picked a lily that is shorter than Cassie's and a sunflower that is taller than Cassie's.

Millie says,

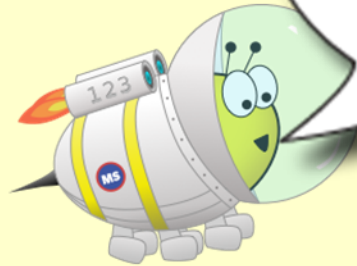
I have picked the tallest flower.



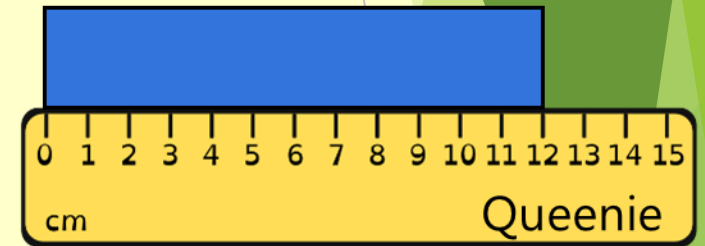
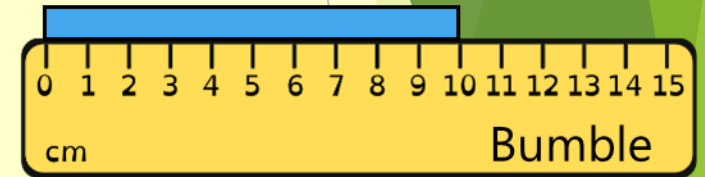
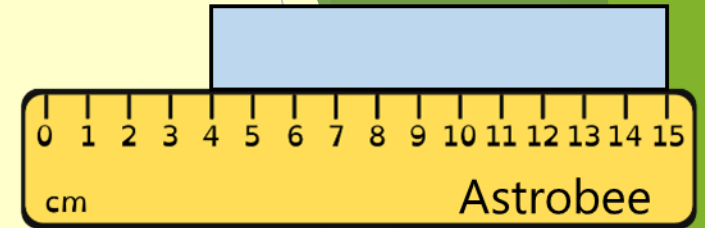
Is she correct? Convince me.



Reflection



My rectangle is the longest as it goes furthest on my ruler.



Is Astrobee's statement true or false?
Explain your answer.

Length and Height

01.04.20

Date: 01.05.20

LO: To be able to calculate using length measurements

Success Criteria

- ✓ I can use my knowledge of addition and subtraction to calculate using length measurements
- ✓ I can explain my reasoning when using my knowledge of addition and subtraction to calculate using length measurements

Starter

What's the same? What's different?

$$87 \text{ m} - 8 \text{ m}$$

Explain your answer.

Can you calculate the measurements to say what's the same and what's different?
I know that it is... because ...

$$59 \text{ m} + 20 \text{ m}$$

Descriptive teaching

Ahmed has a toy motorcycle and a toy digger.

The motorcycle is 5 cm long.

The digger is 10 cm longer than the motorcycle.

- a) How long is the digger?
- b) How long are the digger and motorcycle combined?

Can you explain these
to your grownup?



Descriptive teaching

Ruth has a toy boat and a toy train.

The boat is 10 cm long.

The train is 7 cm longer than the boat.



- a) How long is the train?
- b) How long are the boat and train combined?

Can you explain these
to your grownup?

Descriptive doing

Jamal has a toy plane and a toy tractor.

The tractor is 12 cm long.

The plane is 9 cm longer than the tractor.

- a) How long is the plane?
- b) How long are the tractor and plane combined?

Now try these in your
book

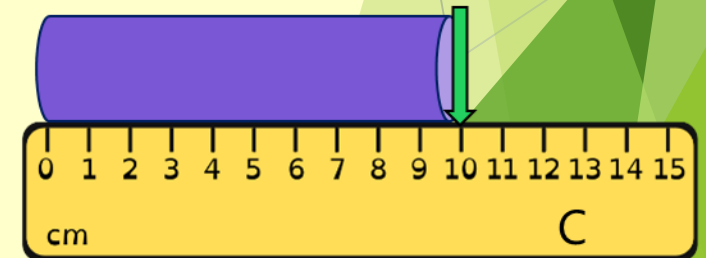
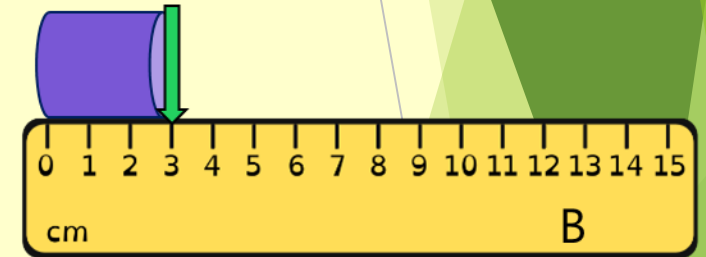
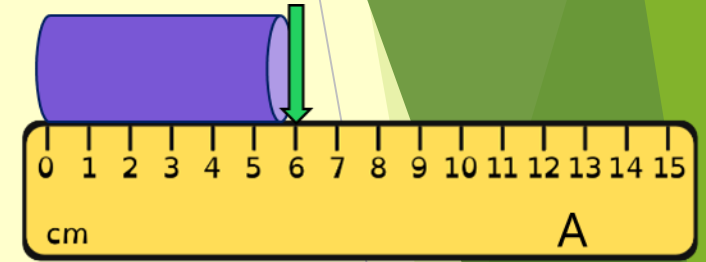


Reflective teaching

Jamal has a popsicle.
He measures it when he first receives it, midway through eating it and just before finishing it.

- a) Which image shows the popsicle at the start?
Explain your answer.
- b) What is the difference between the longest and shortest measurements shown?

Discuss these with
your grownup

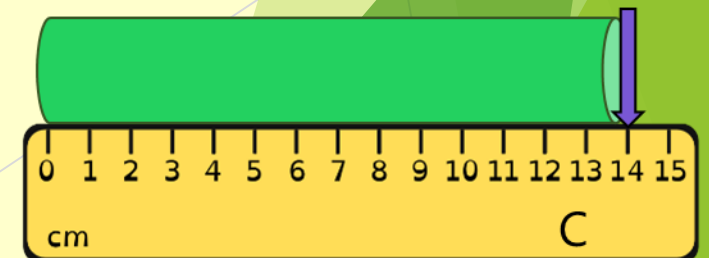
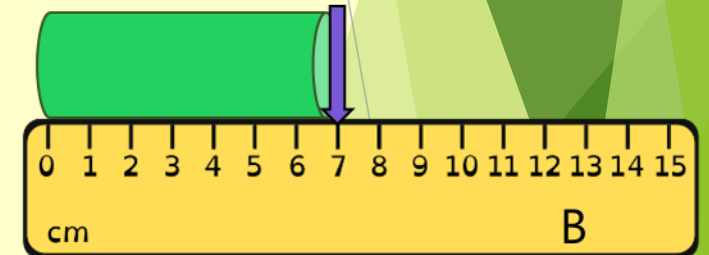
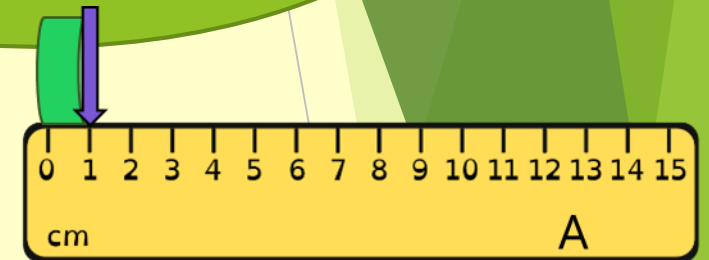


Reflective doing

Now have a go in
your book

Ahmed has a popsicle.
He measures it when he first receives it, midway
through eating it and just before finishing it.

- a) Which image shows the popsicle at the start?
Explain your answer.
- b) What is the difference between the longest
and shortest measurements shown?



Challenge

1a. Buddy and Bob are making ladders out of straws. Buddy's ladder is 30cm long. Bob's ladder is longer than Buddy's.

When added together, their ladders measure 70cm long.

How long is Bob's ladder?



PS

1b. Ezra and Bea are building with wooden train tracks. Ezra's track is 20cm long. Bea's track is shorter than Ezra's.

When added together, their train tracks measure 30cm long.

How long is Bea's train track?



PS

Challenge

4a. Nancy and Joy are making beaded bracelets. Nancy's bracelet is 25cm long. Joy's bracelet is shorter than Nancy's.

When added together, their bracelets measure between 41cm and 44cm long.

How long could Joy's bracelet be?



PS

4b. Saffie and Ali are lining up toy cars. Saffie's line is 15cm long. Ali's line is longer than Saffie's.

When added together, their lines of toy cars measure between 51cm and 54cm.

How long could Ali's line of toy cars be?



PS

Challenge

7a. Tia and Abe are making a bridge out of wooden planks. Tia's bridge is 5m long. Abe's bridge is shorter than Tia's.

When added together, their bridges measure 700cm long.

How long is Abe's bridge in m?



PS

7b. Amby and Una are building a wooden train track. Amby's track is 200cm long. Una's track is longer than Amby's.

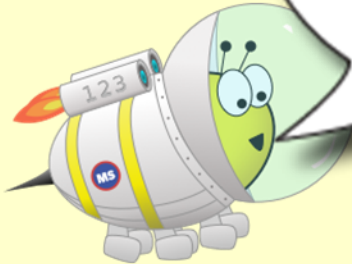
When added together, their tracks measure 8m long.

How long is Una's train track in cm?



PS

Reflection Time



If I combine an odd length with an odd length, the new length will also be odd.

Is Astrobee's statement sometimes, always or never true?
Explain your answer.