

To be able to calculate using length measurements **Maths Shed**

Starter:
What's the same? What's different?


87 m – 8 m

59 m + 20 m

Explain your answer.

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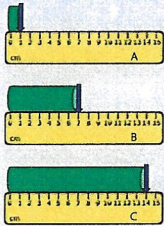
Activity 1:
Jamal has a toy plane and a toy tractor.
The tractor is 12 cm long.
The plane is 9 cm longer than the tractor.



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

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Activity 2:
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?

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Activity 3:
Chen, Ruth and Yasmin each select a book from the reading corner.
Chen's book is 14 cm tall.
Ruth's book is half as tall as Chen's book.
Yasmin's book is 3 cm shorter than Chen's book.



- a) How tall is Ruth's book?
- b) How tall is Yasmin's book?
- c) What is the height difference between Yasmin's book and Ruth's book?

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Activity 4:
A great horned owl has a wingspan of 91 cm.
A burrowing owl has a wingspan of 61 cm.
A barn owl's wingspan is less than a great horned owl's wingspan, but more than a burrowing owl's wingspan.

Which of the following measurements could represent a barn owl's wingspan?

59 cm

77 cm

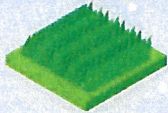
83 cm

64 cm

Explain your answer.

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Activity 5:
Ruth's garden is 14 m long.
Jamal's garden is 9 m longer than Ruth's garden.



- a) How long is Jamal's garden?
- b) If Ahmed's garden is 5 m shorter than the combined length of Ruth's garden and Jamal's garden, how long is Ahmed's garden?