



1. Comparing Length and Height

compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]

Fluency:

Use the words **taller** and **shorter** in the sentence stems to compare the height of the man and the boy.

The man is than the boy.

The boy is than the man.



Use the words **longer** and **shorter** in the sentence stems to compare the length of the blue pencil and the orange pencil

The blue pencil is than the orange pencil.
The orange pencil is than the blue pencil.

Which pencil is the longest? Which pencil is the shortest?



Compare the vehicles using the words to help you.

length height
longer same
taller shorter



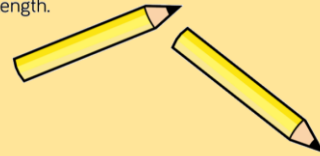
Problem solving:

Using classroom equipment, can you find an object which is longer than your rubber but shorter than your pencil?

Can you find a friend who is shorter than you but taller than your other friend?

Reasoning:

Eva thinks the pencils are the same length.



How can Eva check if she is correct?

2. Measuring Length in Non-standard Units

measure and begin to record lengths and heights

Fluency:

Use cubes to measure the length of objects around your classroom. Write a sentence for each object.

The pencil is cubes long.

The is cubes long.



Mr White is 5 sticks tall.
Choose a suitable piece of equipment to measure how tall your friend is.



Which is longer – your maths book or a lunch box?

The is longer than the .

Choose a unit to measure the objects to check you are correct.

Problem solving:

Whitney measures some toys.



The toys are the same length.



I think she is right / wrong because...

Reasoning:

The flower is 8 cubes tall.
True or false?



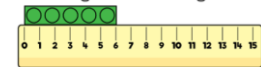
I think this is true / false because...

3. Measuring Length in Standard Units

measure and begin to record lengths and heights

Fluency:

How long is the building block?



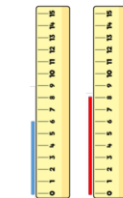
The building block is cm.

What is the length of the chocolate bar?



The chocolate bar is cm.

Which straw is the tallest?



The blue straw is cm tall.

The red straw is cm tall.

The straw is the tallest.

The straw is the shortest.

Problem solving:

Eva, Dexter and Rosie are comparing ribbons. Unfortunately, Dexter has lost his ribbon.



Eva



Rosie



Dexter

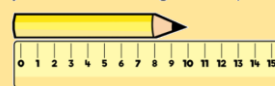
He says,

My ribbon is shorter than Rosie's, but longer than Eva's.

How long could Dexter's ribbon be?

Reasoning:

Teddy measures the length of the pencil.



He says,



The length of the pencil is 10 cm.

Do you agree with Teddy?



I agree / disagree with Teddy because...

Vocabulary

height	the length from top to bottom
high	measuring the length from top to bottom
length	the distance from end to end
long	Measuring the distance from end to end
longer	having a greater length
longest	having the greatest length
shorter	having a lesser length
shortest	having the least length
tall	measuring the length from top to bottom
taller	having a greater height
tallest	having the greatest height