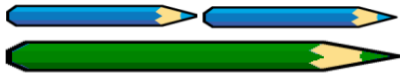


Year 2 – Length and Height Reasoning Questions

2nd and 3rd April 2020

With the help of an adult, complete these questions over two days and write you answers in the google document or you can print the sheet and take a picture, after completing it. Your parents can upload it onto the google classroom – whatever is easiest for them!!

A green pencil is twice as long as a blue pencil.



Using this, complete the statements using **longer than**, **shorter than** or **equal to**.

3 green pencils are _____ 2 blue pencils

2 green pencils are _____ 5 blue pencils

4 green pencils are _____ 8 blue pencils

Compare the measurements using $<$, $>$ or $=$

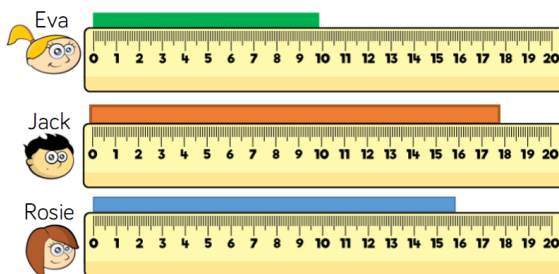
55 cm + 10 cm 55 cm – 10 cm

42 m + 6 m 42 m + 7 m

6 cm – 5 cm 6 m – 5 m

80 m – 5 m 70 m + 5 m

Eva, Jack and Rosie are comparing the length of ribbons. Complete the sentences.



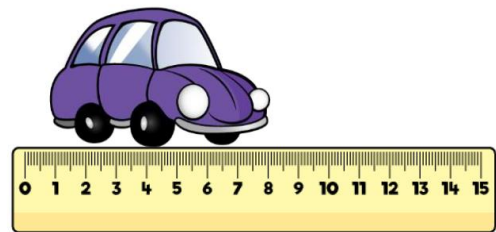
_____ has the longest ribbon.

_____ has the shortest ribbon.

_____ 's ribbon is shorter than _____ 's.

_____ 's ribbon is longer than _____ 's.

Mo has used the ruler to measure the length of the car.



Mo says the car is 8 centimetres long. Do you agree?

Explain your answer.

How tall is the glass?

What other objects can you find to measure the height of?



Compare the lengths using **longer than**, **shorter than**, or **the same as**.

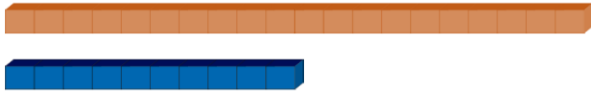
15 cm is 60 cm

Sixty metres is 60 m

96 m is 69 m

80 cm is 80 m

5b. Rex has a tower that is 10cm long. Liz's tower is 2 times longer than Rex's. Circle how long Liz's tower is.



12cm

22cm

20cm



Not to scale

VF

6a. True or false? The tallest flower is 12cm taller than the shortest flower.



22cm

13cm

26cm



Not to scale

VF

6b. True or false? The shortest bottle is 14cm shorter than the tallest bottle.



26cm

14cm

28cm



Not to scale

VF

7a. The tree is 17m tall.



How tall will it be if it grows double in height?



Not to scale

VF

7b. The building is 21m tall.



How tall would it be if it doubled in height?



Not to scale

VF

8a. Which two objects added together total 70cm?



train
39cm



keyboard
31cm



car
15cm



Not to scale

VF

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

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