# Varied Fluency Step 5: Four Operations with Lengths

#### **National Curriculum Objectives:**

Mathematics Year 2: (2M1) <u>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</u>

Mathematics Year 2: (2M2) <u>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (° C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels</u>

#### Differentiation:

Developing Questions to support adding, subtracting, doubling and halving of measures; same measures only.

Expected Questions to support adding, subtracting, multiplying and dividing of measures by 2, 5, 10; same measures only.

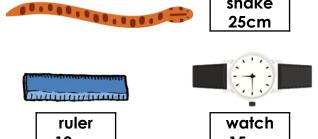
Greater Depth Questions to support adding, subtracting, multiplying and dividing of measures by 2, 5, 10; mixed measures (m and cm).

More Year 2 Length and Height resources.

Did you like this resource? Don't forget to review it on our website.

#### Four Operations with Lengths Four Operations with Lengths 1b. Kobie has a pencil that is 20cm long. 1a. Ali has a tower that is 40cm long. Ty's pencil is half the size of Kobie's. Kate's tower is double the length of Ali's. Circle how long Ty's pencil is. Circle how long Kate's tower is. 80cm 20cm 70cm 10cm 20cm 24cm Not to scale Not to scale 2a. True or false? The shortest animal is 2b. True or false? The tallest flower is 15cm shorter than the tallest animal. 30cm taller than the smallest flower. 30cm 15cm 40cm 30cn 23cm 10cm Not to scale Not to scale 3b. The rocket is 50m tall. 3a. The bridge is 20m long. If half of the bridge falls down, how long How tall would it be if it doubled in will the bridge be? height? Not to scale Not to scale 4b. Which two objects added together total 40cm? total 50cm? snake Golf club







Not to scale

35cm hot dog boot 15cm 25cm

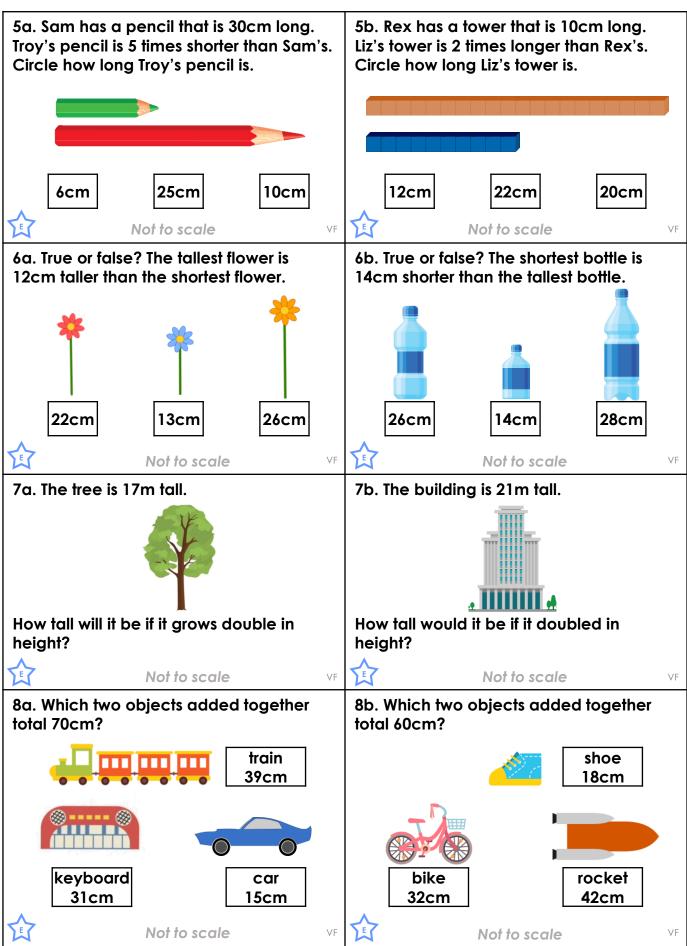
Not to scale



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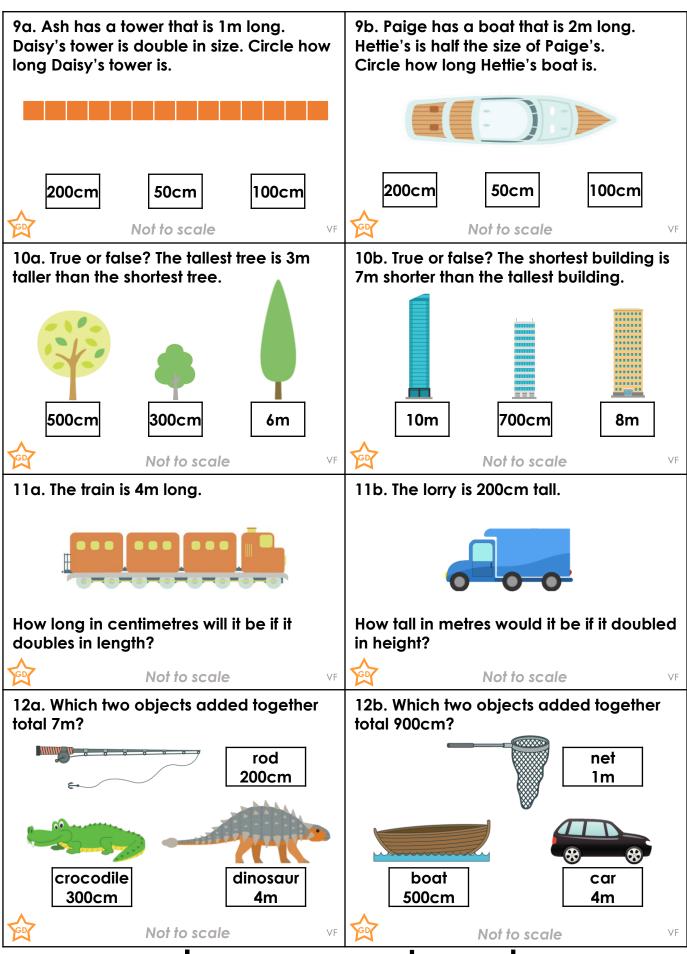




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**Developing** 

1a. 80cm

2a. True

3a. 10m

4a. Snake and Watch

**Expected** 

5a. 6cm

6a. False. (26 - 13 = 13).

7a. 34m

8a. Train and Keyboard

**Greater Depth** 

9a. 200cm

10a. True

11a. 800cm

12a. Dinosaur and Crocodile

**Developing** 

1b. 10cm

2b. True

3b. 100m

4b. Golf club and Hot dog

**Expected** 

5b. 20cm

6b. True

7b. 42m

8b. Shoe and Rocket

**Greater Depth** 

9b. 100cm

10b. False. 700m = 7m. (10m - 7m = 3m).

11b. 4m

12b. Boat and Car

