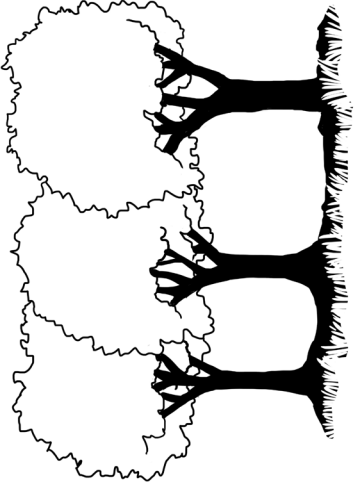


Knowing my tree

My name _____

Date _____ Time _____



A. My tree's neighbourhood

Let us find a group of trees in our neighbourhood.

1 What's the name of this town/village? _____

2 What's the name of this street (or nearest street)? _____

3 How many trees are there in this area?

☐ Less than 10 ☐ 11 to 20 ☐ 21 to 40 ☐ More than 40

4 On another sheet draw a simple map to show the way from your school to this place.

B. My tree

Choose one tree and make it your special friend.

1 Do you know what kind of tree it is? If you don't, give it a name! _____

2 I know my tree is alive because _____

3 Are there any other living things on my tree? ☐ Yes ☐ No

4 What **environments** can I see around my tree?

5 ☐ town square ☐ street ☐ garden ☐ fields ☐ houses ☐ rubble wall

With your tablet take a photo of your special tree friend.

6 Is my tree symmetrical? ☐ Yes ☐ No

7 My tree is ☐ vertical.

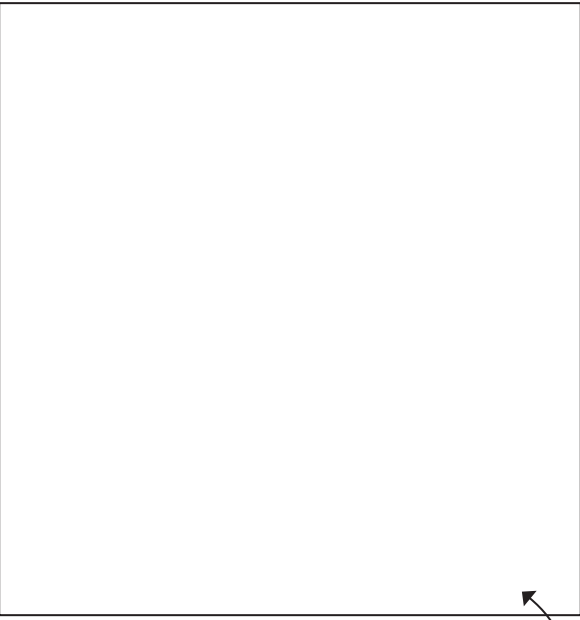
☐ leaning to the left.

☐ leaning to the right.

☐ wider than it is tall.

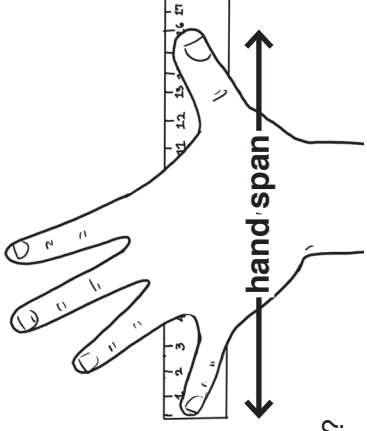
☐ taller than it is wide.

☐ as wide as it is tall.

8 Draw the shape of your tree in the box. 

C. Estimate and measure

- Find the **circumference** of your tree's trunk. Use **hand spans** to estimate the answer. Open your hand flat on a ruler (see the picture). What's your hand span?



Answer A. My hand span is cm

- How many times does your hand span go round the tree trunk?

Answer B. My hand span goes round the trunk times.

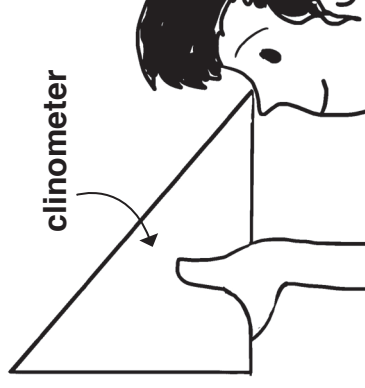
- Now multiply answers A x B and you get cm. This is your estimate.

- Now measure the circumference with a **tape measure**. The answer is cm

Was the answer close to your estimate? ☐ Yes ☐ No

- How tall is your tree? Use your **clinometer** to estimate the height of your tree. Don't forget to add your own height to the answer.

My tree is about cm tall.



D. Collecting and sorting

- Look around your tree. Can you find any organic, mineral, plastic or paper material? Wear your gloves and collect some of these things. **Don't pick sharp things that can hurt you.** Count the things you collected and write the totals in the table here.

organic	leaves, twigs, bark, etc.
mineral	stones, cement, etc.
plastic	caps, bottles, bags, etc.
paper	bags, boxes, etc.

- Before you leave, put any organic and mineral material back on the ground, but keep any plastic and paper litter and dispose of it in recycling bins.

- Back at school make a block graph of the materials.

E. Calculating

- Stand at a point and count the number of cars you see in one minute.

Answer

cars



Now read these facts

- A car produces about 4000kg of CO₂ every year.
- A tree absorbs about 20kg of CO₂ every year.

- Can you calculate how many trees it would take to clean the air pollution from the cars you saw in that minute?

We would need trees!

Now you know why trees are our friends!



A Dinja, Wahda, Resource

