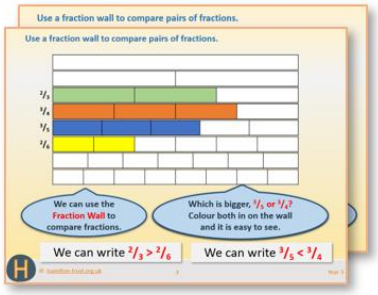
Week 13, Day 5

Estimate the area of irregular shapes

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**.
   They come from our *PowerPoint* slides.



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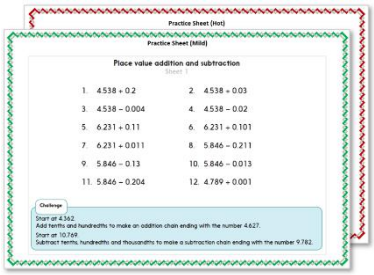
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



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3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**

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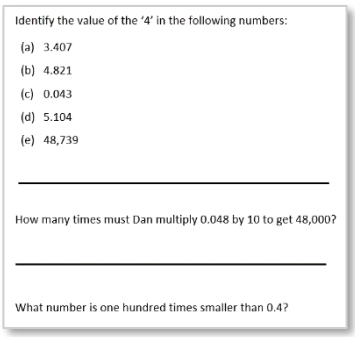
4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!



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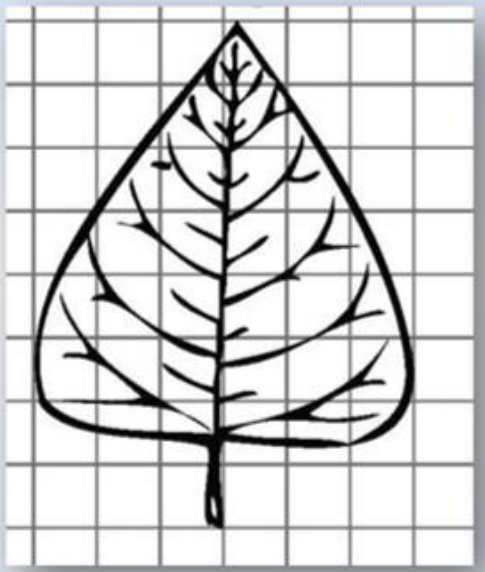
Learning Reminders

Estimate the area of irregular shapes

We can find the area of an irregular shape by counting the squares it covers on the centimetre paper.

First count the whole squares covered by the leaf.
You can tick off each square as you count it.



For the partial squares, we could count only those that are bigger than $^1/_2$ OR we could match one small partial square with one big one each time to make whole squares.
Check off each partial square as you do this.

Around 26 cm²

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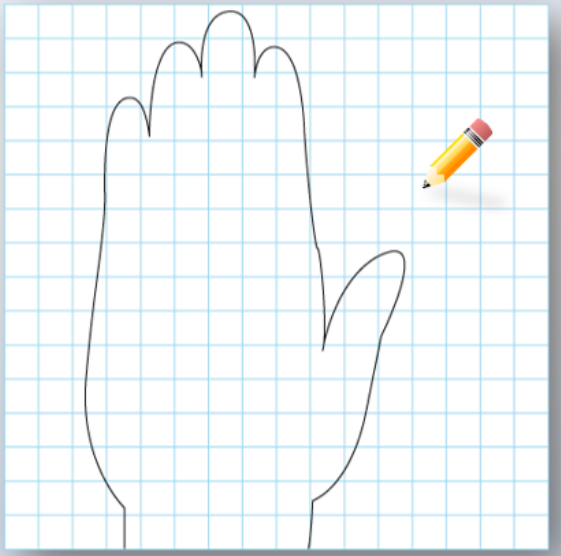
Learning Reminders

Estimate the area of irregular shapes

Draw around your own hand on a piece of cm^2 paper.
What area do you do think you hand might cover?
Now measure the area covered by your hand as we did for the leaf.



Now do the same for someone else in your home; will their hand have a smaller or larger area than your own?

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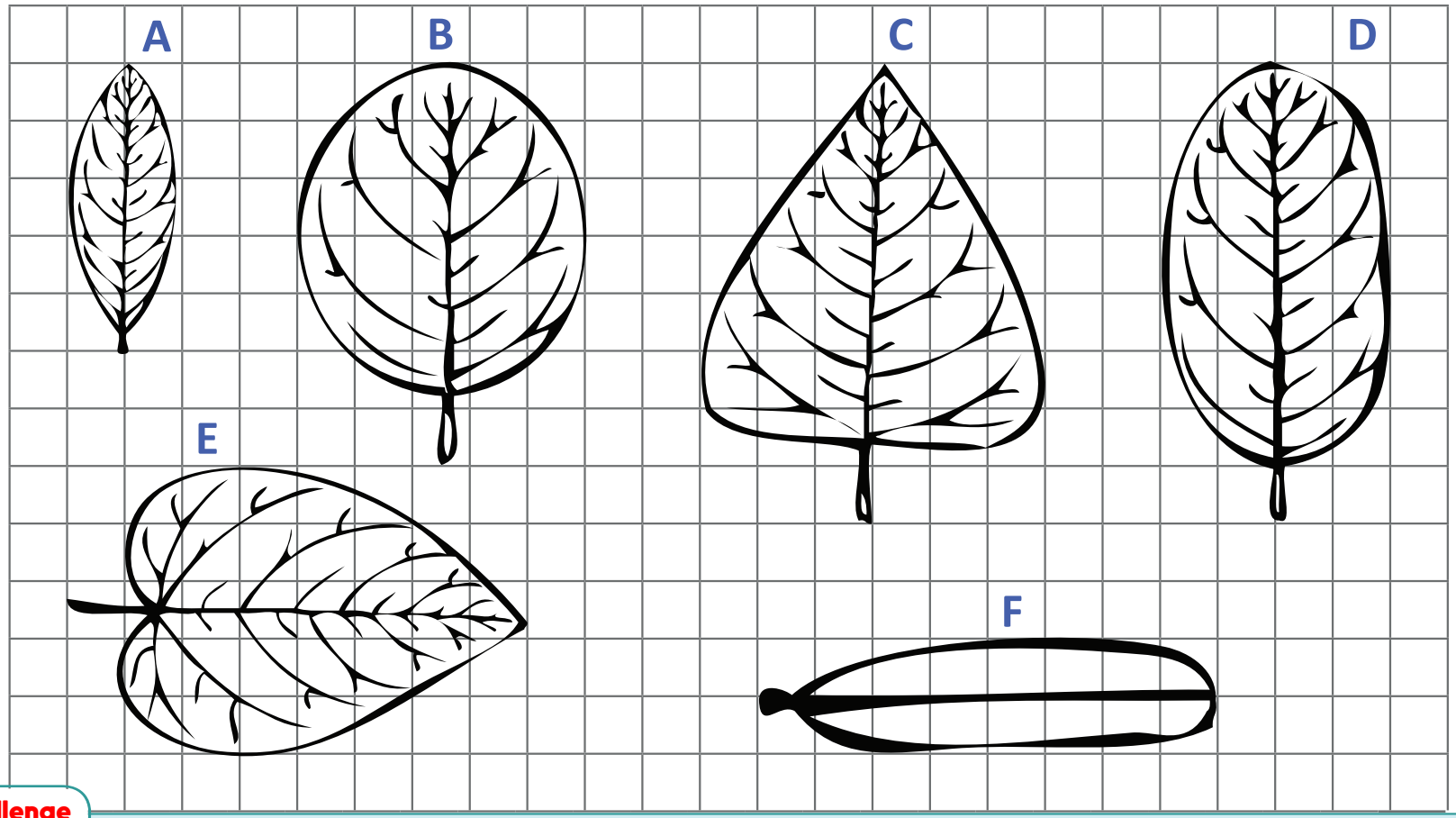
Practice Sheet for All

Estimating area

Which leaf shape do you think has the greatest area?
Write the letters of the leaves in order from which you think has the least area to the greatest areas.
Now count squares and half squares to find out the approximate area of each leaf shape.



Hot challenge

Find four more irregularly shaped objects, e.g. a banana skin, a plant leaf, the base of a tea cup, your footprint, etc. Estimate the area of each. Draw around each and find its area. How accurate were your estimates?

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