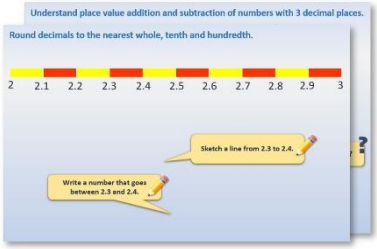
Week 11, Day 3
Symmetry

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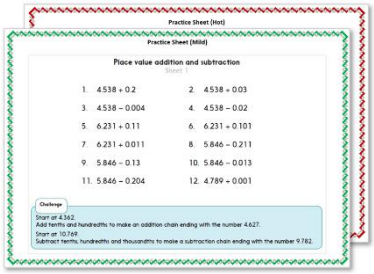
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



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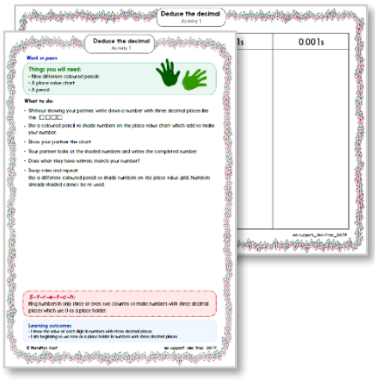
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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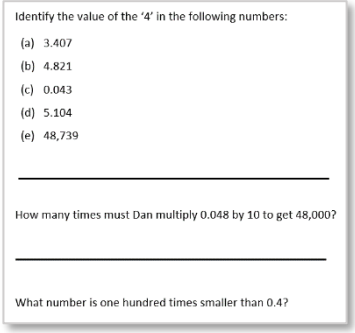
4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!



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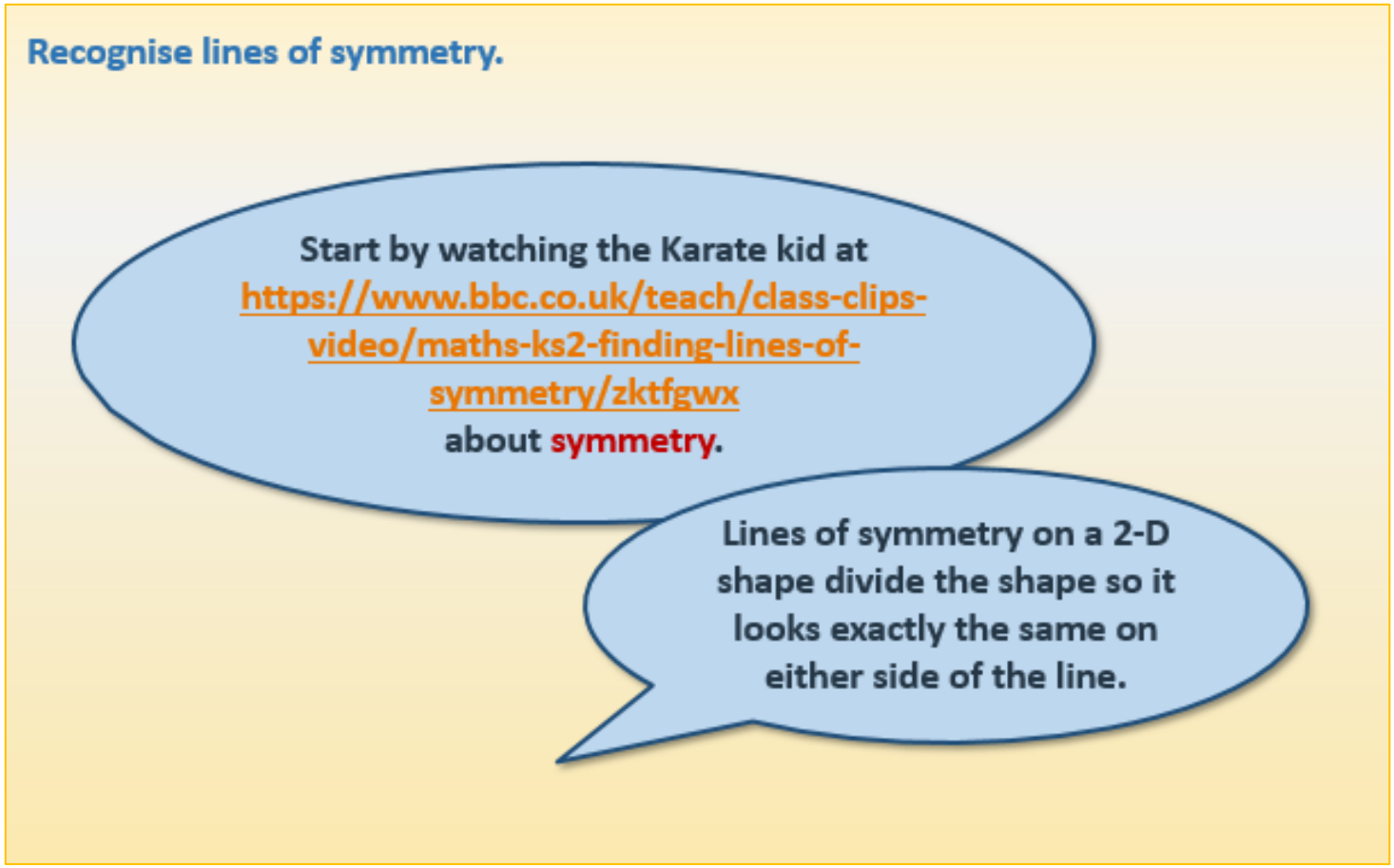
Learning Reminders



Karate kid at
https://www.bbc.co.uk/teach/class-clips-video/maths-ks2-finding-lines-of-symmetry/zktfgwx

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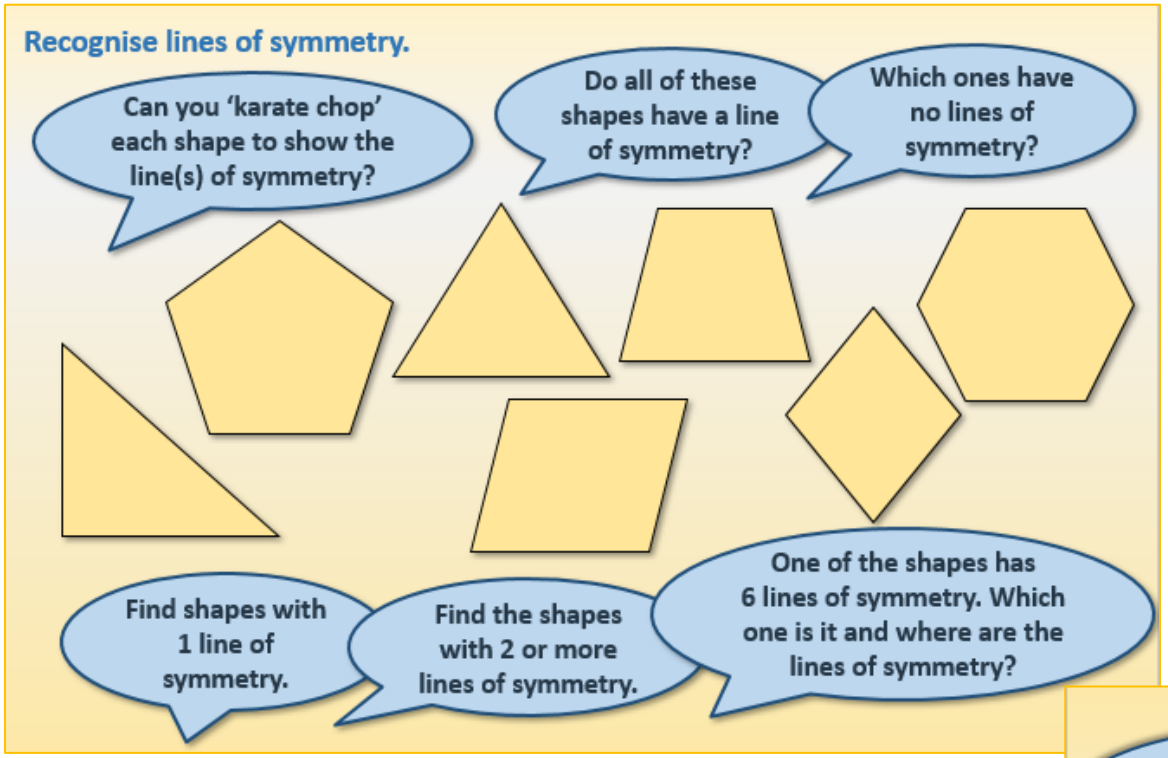
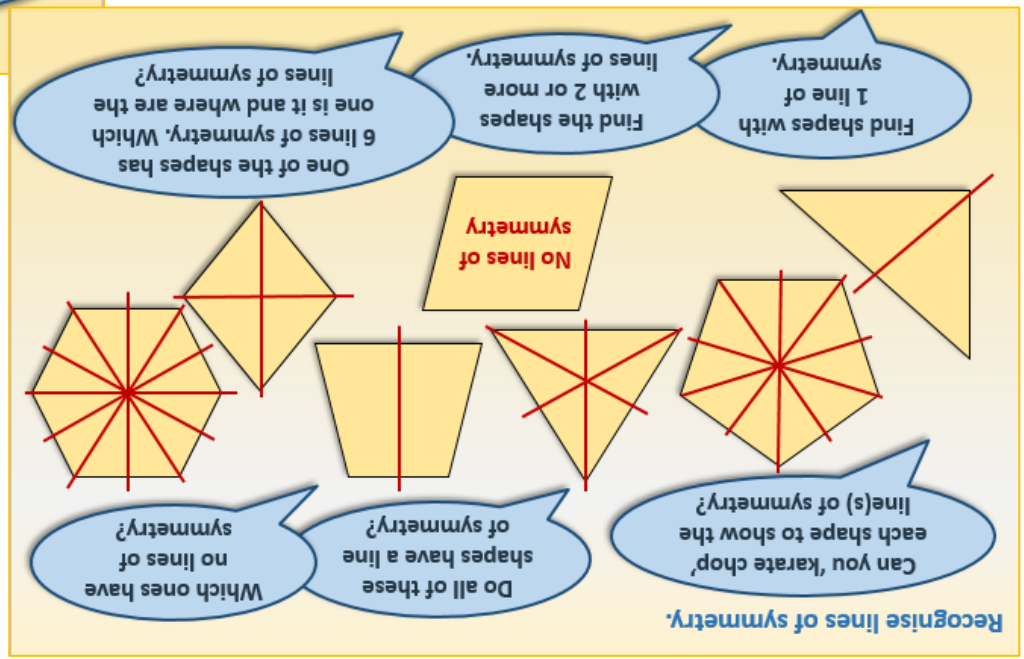
Learning Reminders





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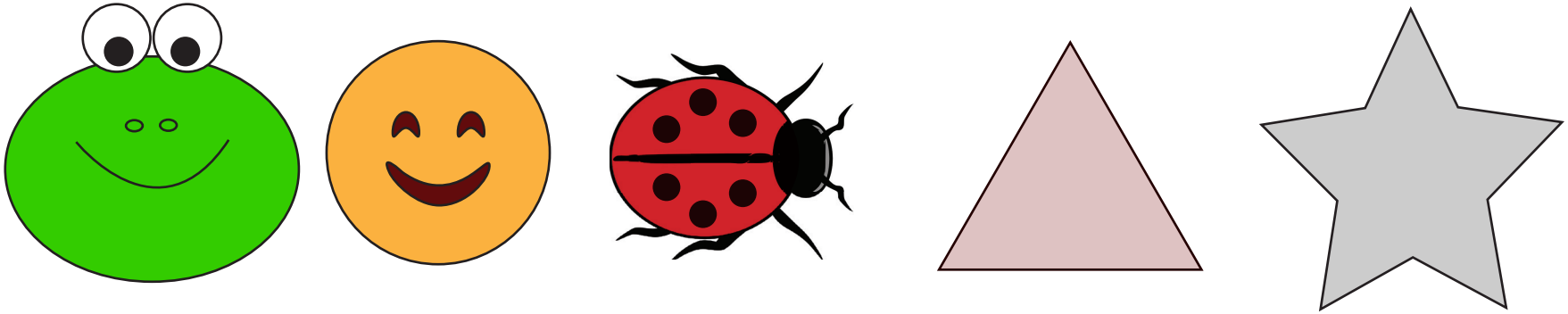
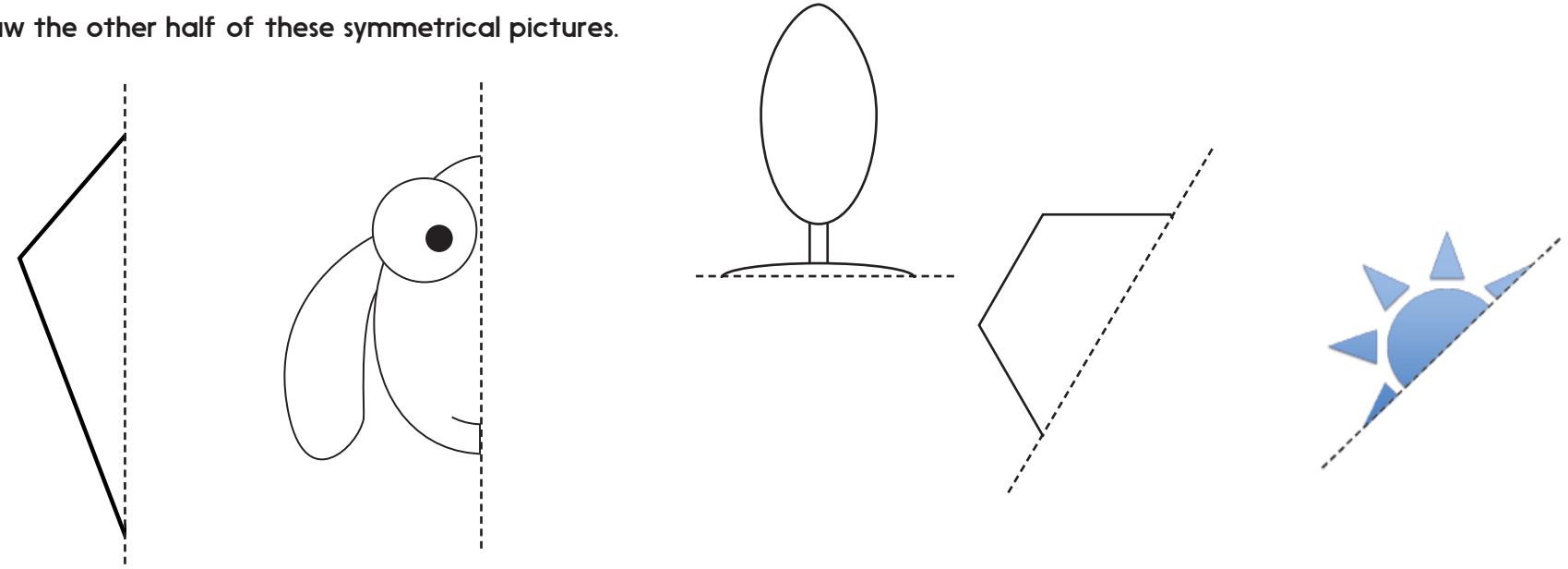
Practice Sheet for All

Symmetry

Draw at least one line of symmetry on these pictures.



Draw the other half of these symmetrical pictures.



Hot Challenge

Draw your own picture with exactly 2 lines of symmetry.

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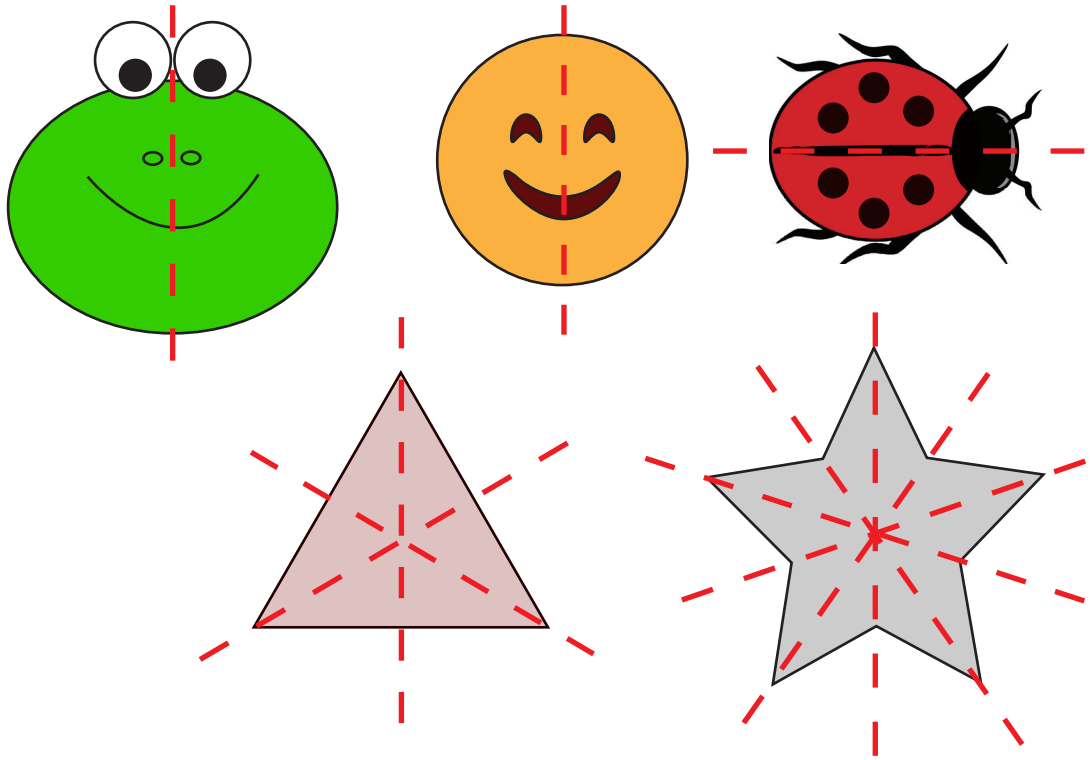
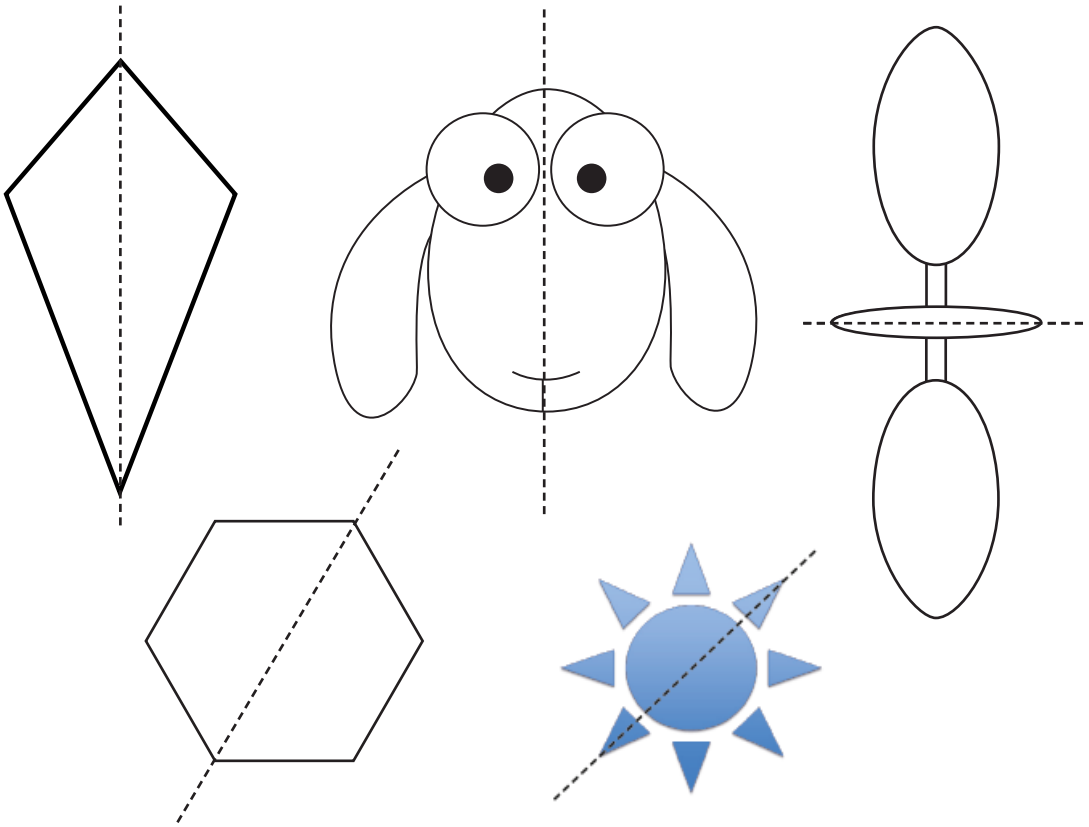
Practice Sheet Answers

Symmetry

Draw at least one line of symmetry on these pictures.



Draw the other half of these symmetrical pictures.



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A Bit Stuck?
Folding houses

Things you will need:
- Pictures of houses (see resources)

What to do:

- Look at the first house on the sheet (see resources)

- Can you fold the paper so that the picture is exactly the same on either side of the fold line – is it symmetrical?
  If you hold it up to the light, you should be able to see lines sitting on top of one another, or you can check by placing a small mirror along the fold.
- Open it out again. Is it symmetrical if you fold it any other way?

- Now look at the next house. Is it symmetrical?
- What could you do to it to make it symmetrical?

- Repeat for the next house.
- Now draw your own symmetrical house, block of flats or bungalow.

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A Bit Stuck?

Folding houses

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Folding houses

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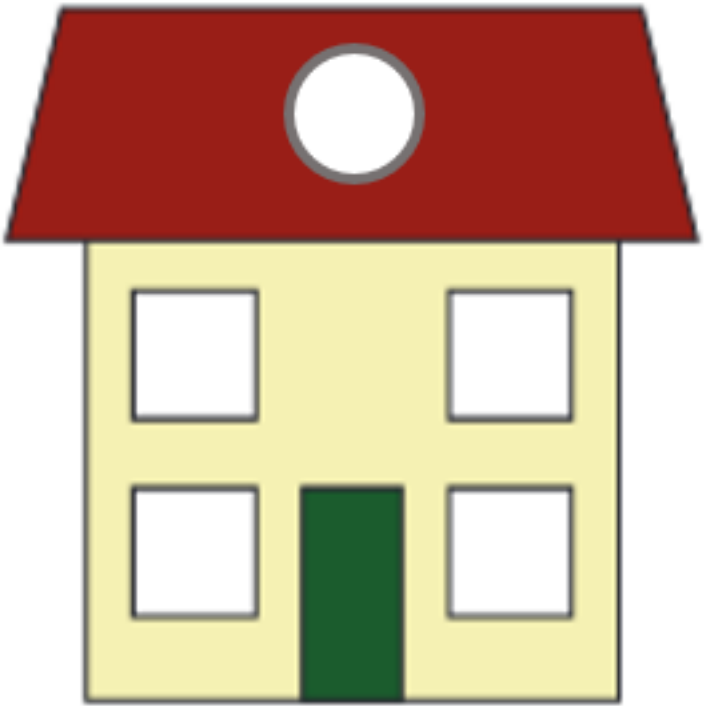
A Bit Stuck?

Folding houses



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Check your understanding

Questions

Draw lines of symmetry on these shapes:

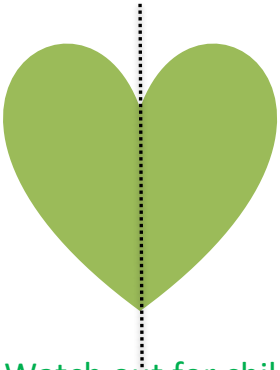
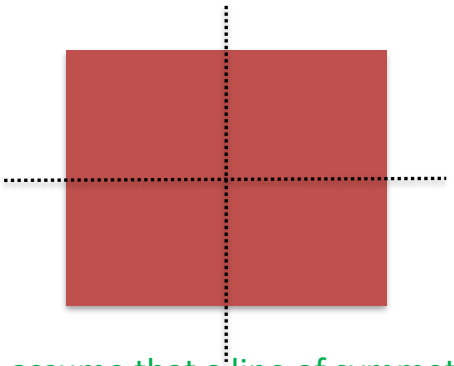
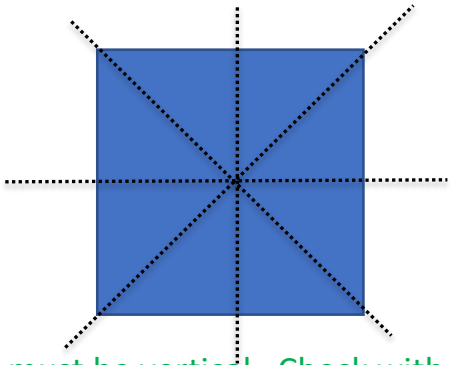
Draw a 2-D shape with at least 1 curved side and 2 lines of symmetry.

How many lines of symmetry in a regular pentagon?

Fold here to hide answers

Check your understanding: *Answers*

Draw lines of symmetry on these shapes:

Watch out for children who assume that a line of symmetry must be vertical. Check with a mirror.

Draw a 2-D shape with at least 1 curved side and 2 lines of symmetry.

Shape may be ovoid, or resemble a 'rounded' rectangle, e.g.

How many lines of symmetry in a regular pentagon? 5.

These go from each of the 5 vertices to the mid-point of the opposite side.

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