Year 2 Investigations – Pyramids
Teacher Guide

National Curriculum Objectives:

Mathematics Year 2: (2G2b) Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces

Teaching notes:

These investigations are about pyramids. The two different investigations you can carry out are:
1. Can a pyramid have an irregular base?
2. Does a pyramid need identical triangular faces?

Use the question prompts if your pupils require some hints.

More Year 2 Maths Investigation resources.

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

Year 2 Investigations – Pyramids

1. Can a pyramid have an irregular base?

Ideas for concrete resources to provide:

- Straws, rolled newspaper, lolly sticks
- Playdough, tape, blu-tack
- Irregular shapes for bases to build (6 provided in this pack)

Question prompts:

- What is an irregular shape?
- What is a pyramid?
- How can you build a pyramid using straws and playdough?

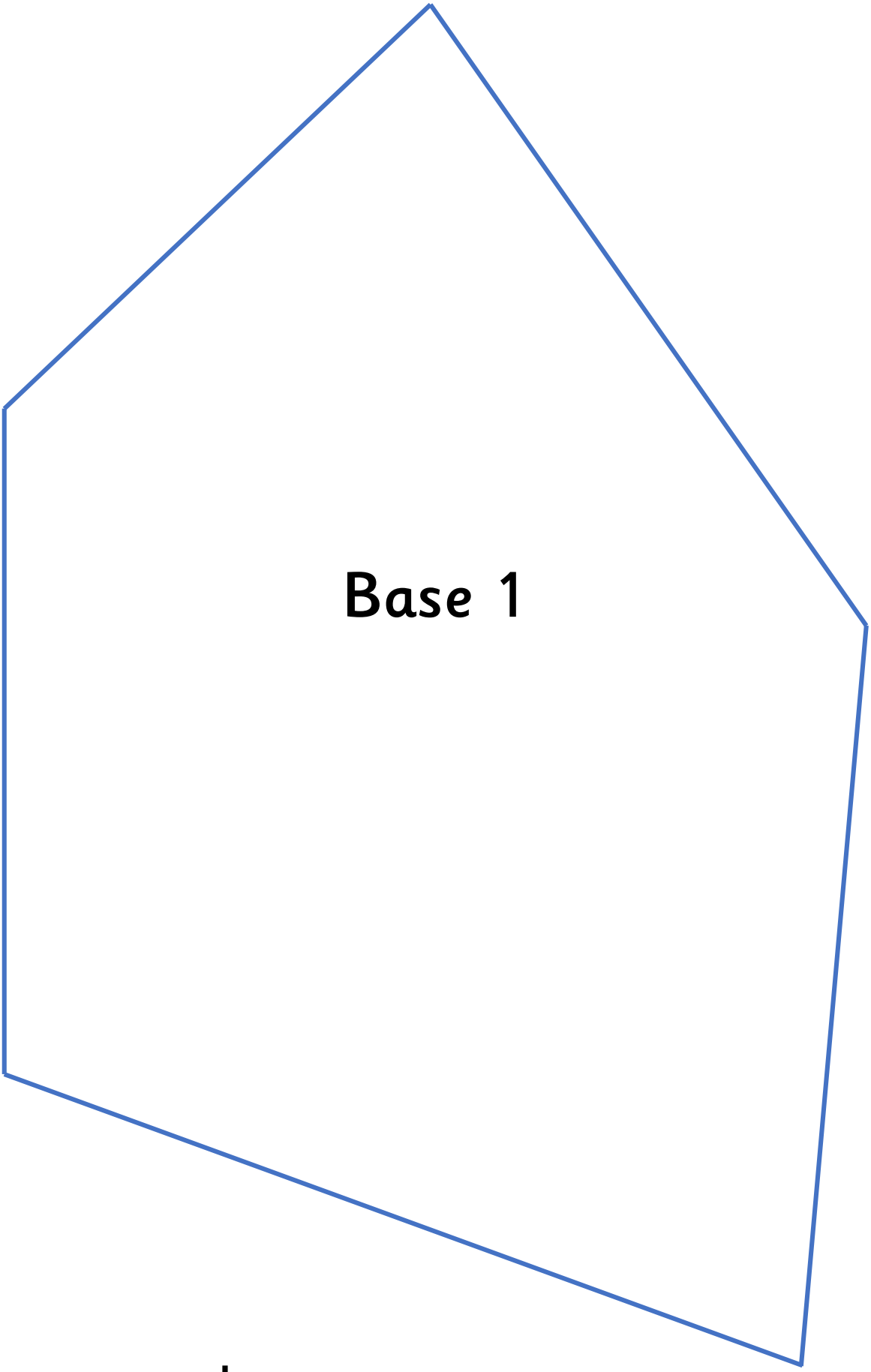
2. Does a pyramid need identical triangular faces?

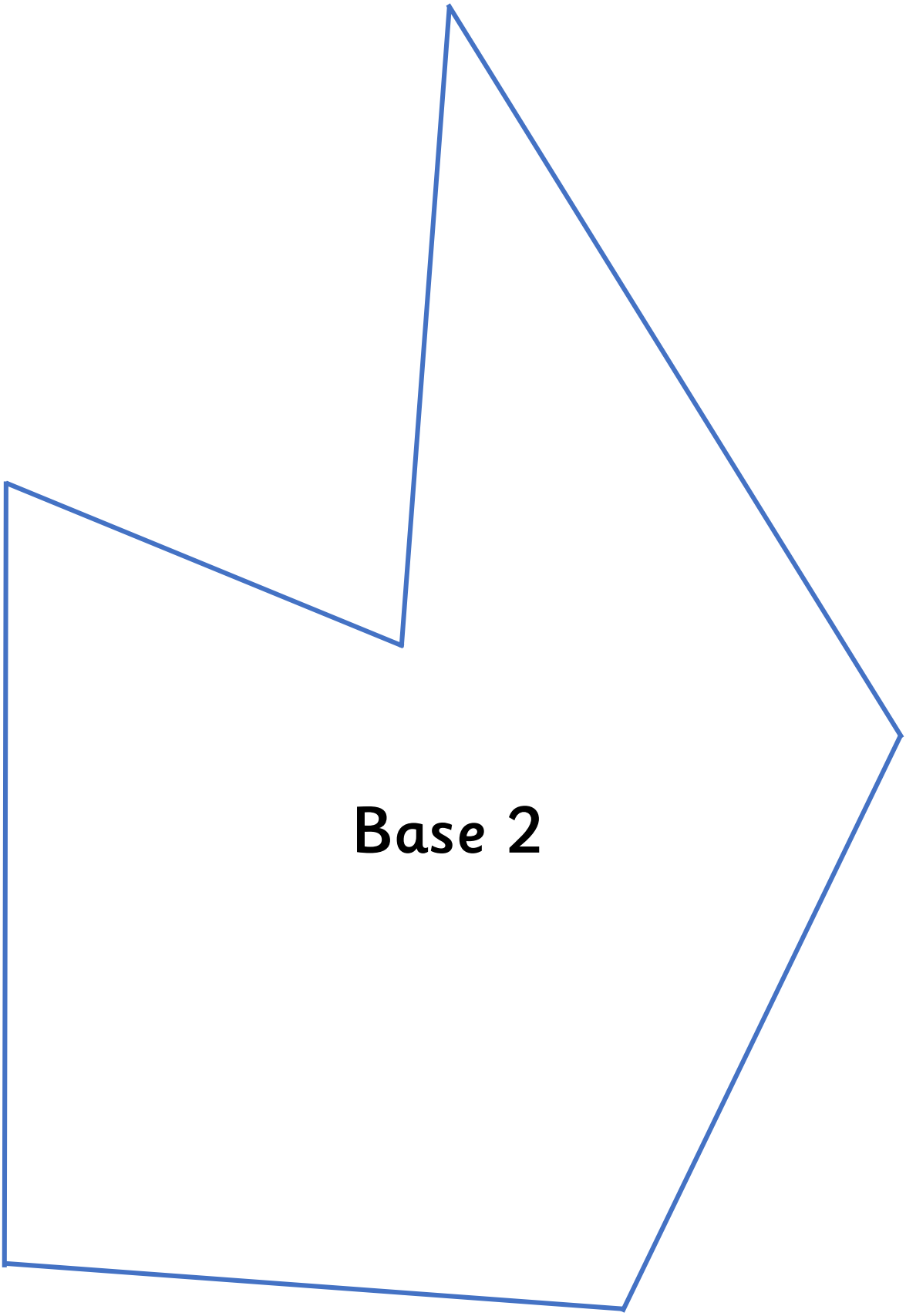
Ideas for concrete resources to provide:

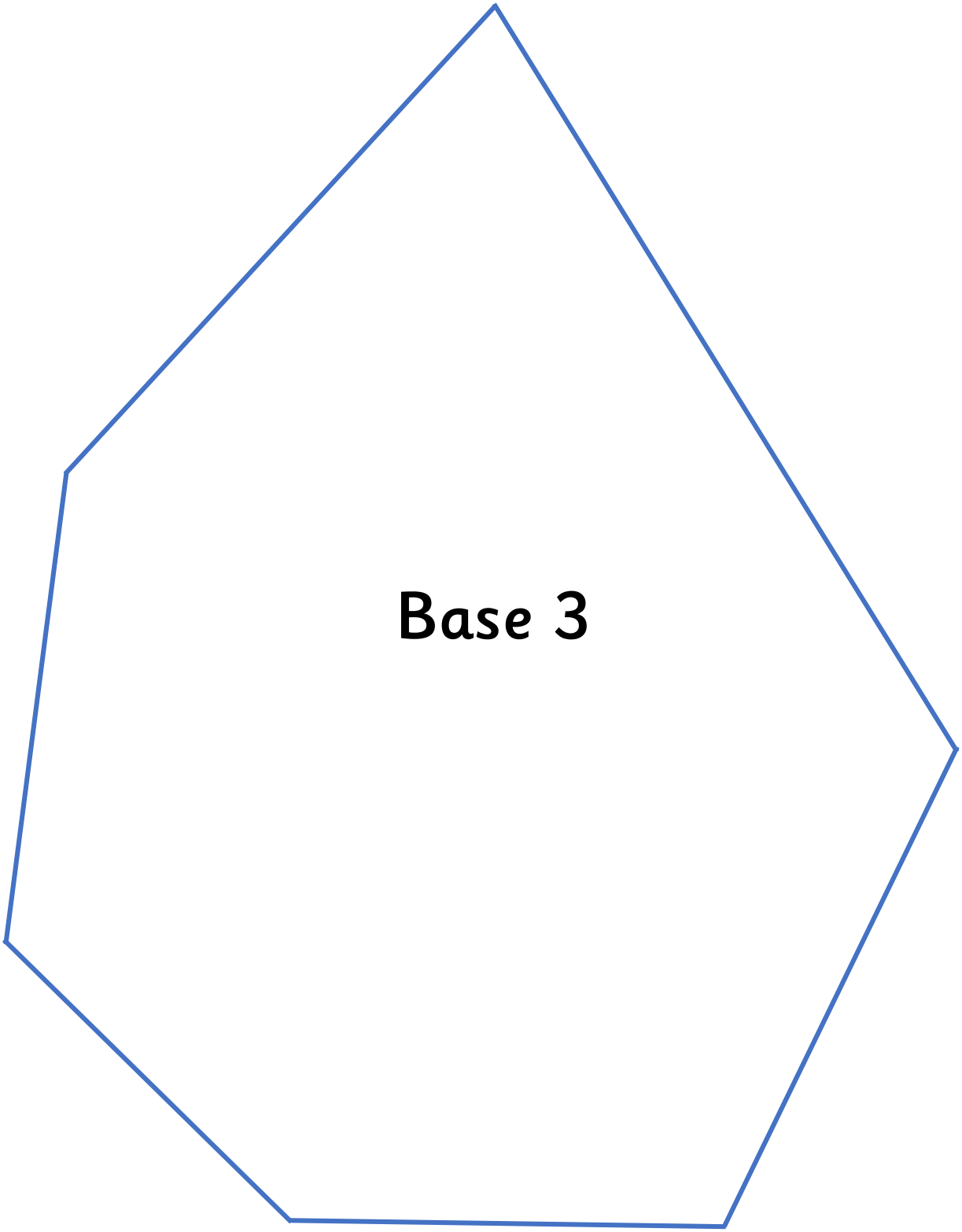
- Straws, rolled newspaper, lolly sticks
- Playdough, tape, blu-tack
- Range of pyramids (teacher to provide images, physical resources, build pyramids prior to the investigation)

Question prompts:

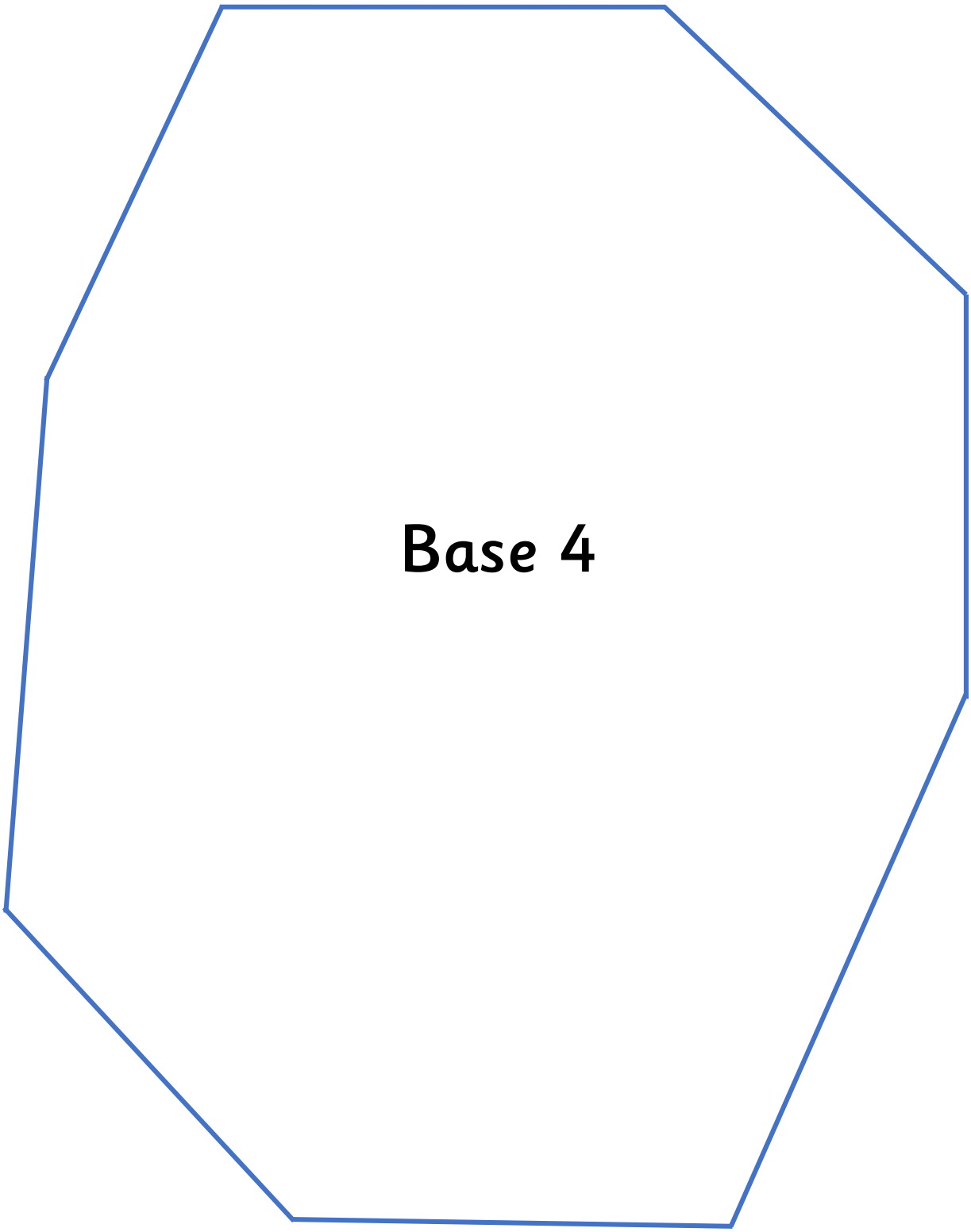
- What is a pyramid?
- What 2D shapes make up this pyramid? (show a range of pyramids)
- How can you find out if the triangular faces are identical?







Investigation 1 – Can a pyramid have an irregular base?



Investigation 1 – Can a pyramid have an irregular base?