

# Year 1 Maths Trail

## Teachers' notes



This trail is designed to support National Curriculum mathematics learning, and covers a range of subject areas, including calculation, measurement, geometry, and statistics.

It is based on the real mathematics and numbers involved in the mechanics and the history of the planes in Hangar 3/4/5.

The trail can be done individually or in groups, and all that is needed to complete it is a print-off of the questions and a pencil, though clipboards may also be useful. The answers for each question are below.

1. Find the North American Harvard IIB. Can you find and add these numbers?

$$3 \text{ Wheels} + 2 \text{ propellor blades} = 5$$

2. Tick the shapes you can see on the Bristol Beaufort.

Circle and rectangle.

3. Find the Stranraer flying boat. It has a crew of six people. If you double the crew, how many people are there?

12 people

4. Find the helicopters

How many are red?	2
How many are green?	3
How many others?	2
How many helicopters are there in total?	8

5. Find the Lancaster. Is it bigger or smaller than the aeroplanes behind it?

The Lancaster is bigger.

6. Go to the Avro Anson. It has 4 crew members. 3 crew members leave the plane. How many are there now?

$$4 - 3 = 1 \text{ crew member.}$$

7. Circle one half of the roundels.

4 roundels should be circled.

8. Find the Messerschmitt 109. Its two wings are 10 metres long.  
How long is each wing?

$10 \div 2 = 5$  metres.

9. Look at the Spitfire Mk I. How many do you think would fit in your playground?

Get the children to explain the reasoning behind their answers.

10. Go to the Hawker Hunter. Can you add the next shapes to its pattern?

Continuing: rectangle, then circle, and then another rectangle.