

Year 5 Maths Trail

H3

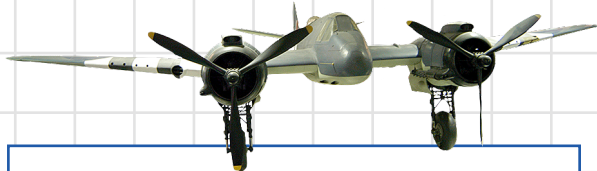
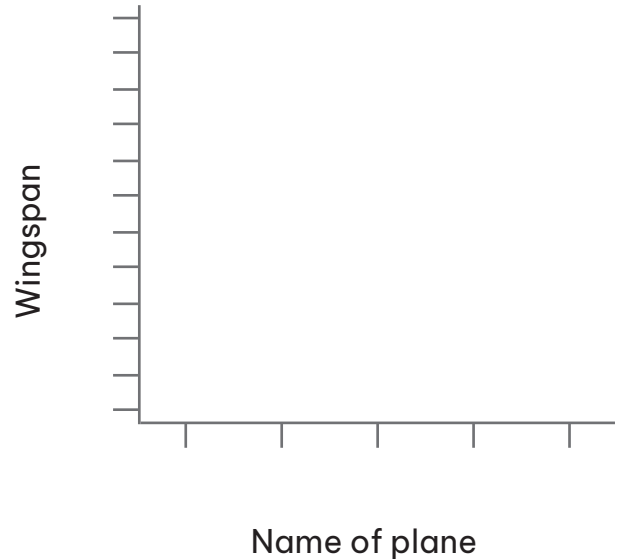
H4

H5

1. Choose five planes and fill out the table below.

Name of plane	Wingspan of plane

2. Use the information in your table to make a bar graph on the lines below.



4. How many of the stripes on the wings of the Bristol Beaufighter are white? Write this as a fraction of the total number of stripes. Can you simplify this fraction?

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3. Find the North American Harvard. What is its maximum speed in km/h?

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If it is travelling at that speed, how far can it travel in 1 hour and 30 minutes?

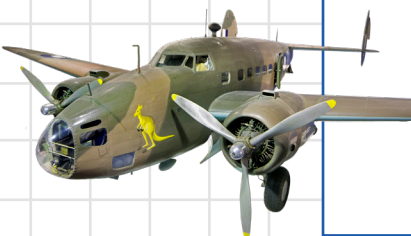
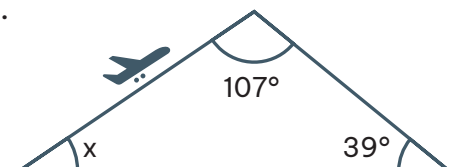
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5. Go to the Lockheed Hudson. In the picture below it has just taken off for a flight.

Calculate the missing angle to find the angle of take-off.

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6. Find the Bristol Sycamore HR14 helicopter. It can hold 750 litres of fuel in total, but uses 150 litres of fuel in an hour.

How many hours can it fly before it needs to be refuelled?

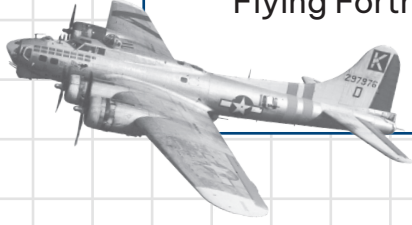


7. What year did the Boeing B17 Flying Fortress first fly?

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How old is the Flying Fortress?

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9. Find the Junkers Ju87G-2. What is its wingspan rounded to the nearest whole number?

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If the area of the wings is 28 m^2 , what is the width of the wings?

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8. Have a look at the Avro Vulcan. How many bombs are underneath?

How many bombs will the crew take with them if they only take these fractions?

Total number of bombs:

$\frac{1}{3}$:

$\frac{4}{7}$:



10. Go to the Supermarine Spitfire I. Add the co-ordinates (b,4) and (f,4) to the grid below to show the start and end locations of its journey.

	a	b	c	d	e	f	g	h	i
1									
2									
3									
4									
5									

If each square is 15 miles, how far has the Spitfire travelled?

