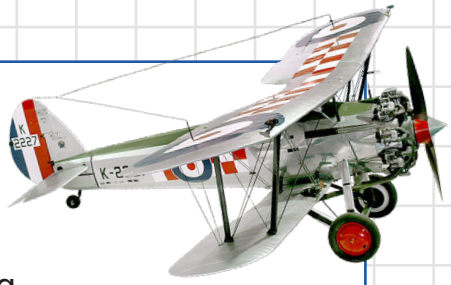
Year 6 Maths Trail

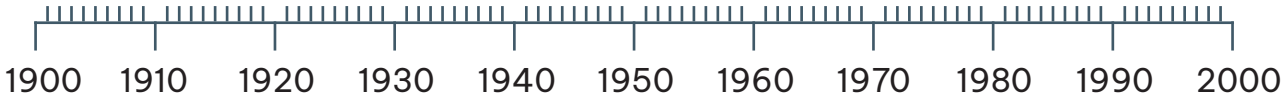
H3 H4 H5



1. Find the Bristol Bulldog. Put these events from its history in the correct place on the timeline.

   Built

   Restoration completed Sent overseas to protect Ethiopia



2. Find the Lockheed Hudson. It worked as a transporter as well as a bomber aircraft. What is its loaded weight?

   If it weighs 5,275 kg when empty, how much do the crew and cargo weigh?

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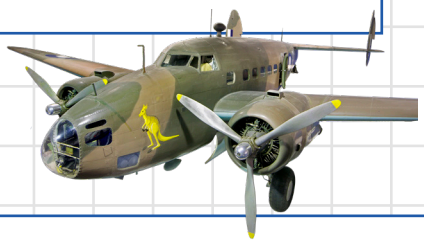

3. Go to the Avro Lancaster B.1. Find its top speed in mph. How fast would it go if it did 1/7 of its top speed?

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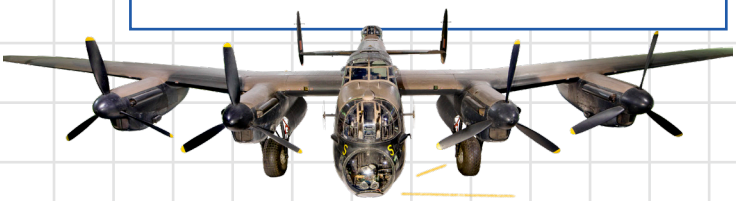

4. Find the Hawker Hurricane. What is its wingspan rounded to the nearest whole number?

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   What is the total wingspan of a full squadron of 16 Hurricanes?

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5. Go to the Westland Lysander. It was used to move Allied agents in and out of occupied Europe. For every 3 pilots, there can be between 3 and 9 agents as passengers.

   23 Allied agents need to be transported for a mission. What is the minimum number of pilots needed?

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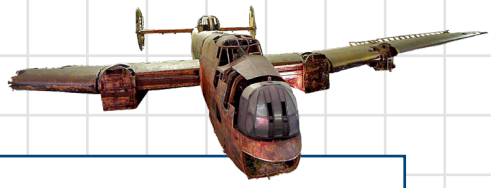

6. Go to the Messerschmitt Bf 110G-4. What is the length of the Messerschmitt rounded to the nearest whole number?

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

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7. Find the Handley Page Halifax. How many Rolls Royce Merlin XX engines does it have?

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If each cylinder uses 2.27l of fuel, how much fuel is used by all of the cylinders?

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10. Go to the Lightning F6. This jet can fly about twice the speed of sound! What is its maximum speed in kilometres per hour rounded to the nearest hundred?

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If it flew at this speed, how long would it take the F6 to fly the around 600 km journey from the Museum to RAF Lossiemouth in Scotland?

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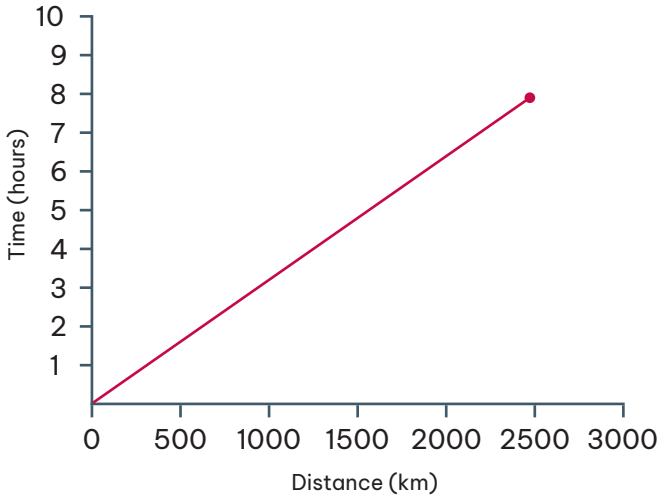
8. Find the de Havilland Vampire. It was the first ever jet aircraft to fly across the Atlantic Ocean.

Have a look at the graph of the journey and answer the questions below.

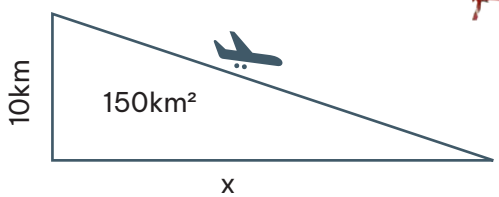


How far did it travel in total? .....

After how many hours did it stop travellling? .....

9. Find the Jet Provost T.5 A. It is making its final descent from a flight in the diagram below.

Can you calculate how far away it was from the RAF airfield when it started its descent? Use the area and height of the triangle to help you.



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ROYAL AIR FORCE museum