<u>Can I read a line graph accurately? (Y4)</u>
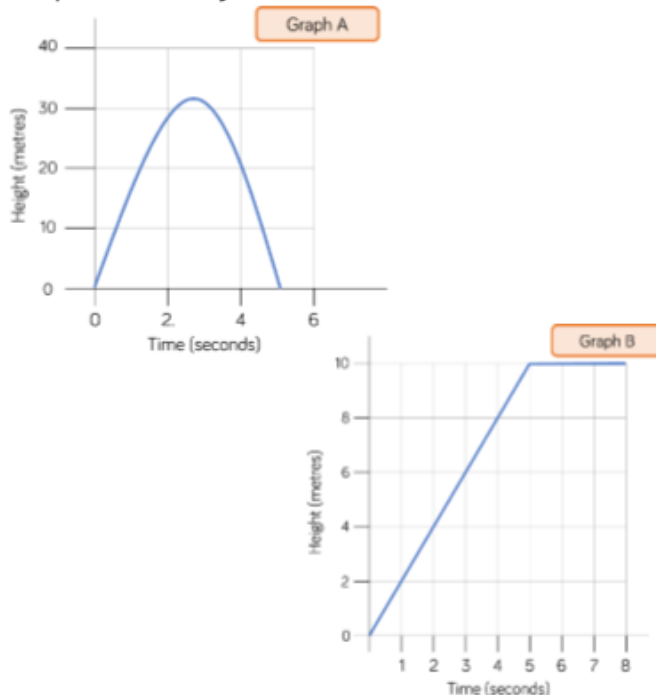
Reasoning and problem solving

This page does not need to be printed. Write the short date you do the work and the above question in your maths book.

1) Jack launched a toy rocket into the sky.
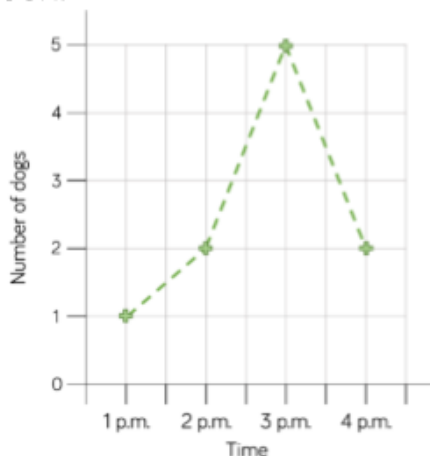   After 5 seconds the rocket fell to the ground.
   Which graph shows this?
   Explain how you know.

Graph A

Height (metres) vs Time (seconds)

Graph B

Height (metres) vs Time (seconds)

Make up your own story for the other graph.

2) Tommy created a line graph to show the number of dogs walking in the park one afternoon.

Number of dogs vs Time

Tommy says,

At half past one there are 1.5 dogs in the park.

Why is Tommy incorrect?
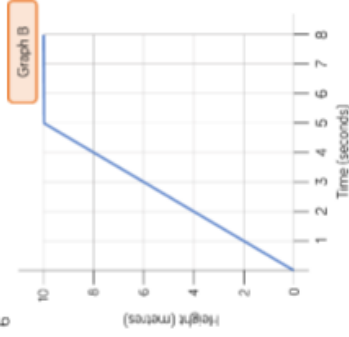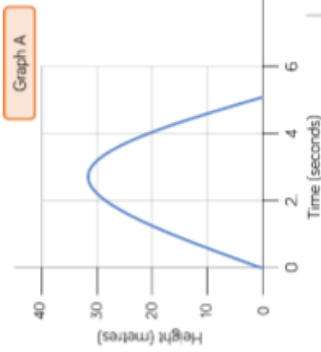
What would be a better way of presenting this data?

Reasoning and Problem Solving

Jack launched a toy rocket into the sky. After 5 seconds the rocket fell to the ground.

Which graph shows this? Explain how you know.

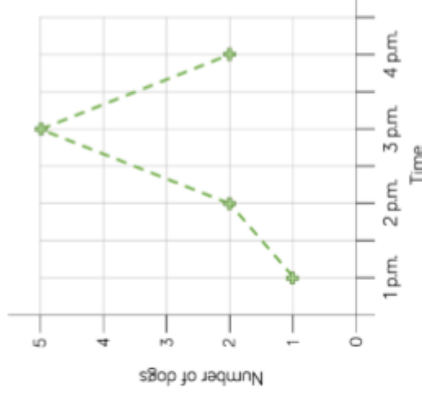Graph A

Make up your own story for the other graph.

Graph A
The height of the rocket increases then decreases quickly again, returning to a height of 0 at 5 seconds.

Example story:
A bird flew up from the ground. It continued to fly upwards for 5 seconds then flew at the same height for another 3 seconds.

Tommy created a line graph to show the number of dogs walking in the park one afternoon.

Tommy says,

At half past one there are 1.5 dogs in the park.

Why is Tommy incorrect?

What would be a better way of presenting this data?

Tommy is incorrect because you cannot have 1.5 dogs.

A better way of presenting this data would be using a bar chart, pictogram or table because the data is discrete.