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Diving into Mastery
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## Read and Interpret

 Line Graphs
## Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:


These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

## Aim

- Solve comparison, sum and difference problems using information presented in a line graph.


Miss White's class are investigating how quickly two different liquids cool over five minutes. They start their investigation by warming the two liquids in the microwave and then measure the temperature of each liquid every minute as they cool down.

By how many degrees did the temperature of the orange juice cool from minute 2 to minute 3?

## Ercoute 4




Prove whether each statement is true or false. If you think the statement is false, explain the mistake you think the child has made when they read the line graph.


Which story describes this line graph the best? Explain your reasoning.
Benji gets the soup out of the fridge and gradually heats it up in a saucepan on the hob. He eats it straight away while it is warm.

Benji gets the soup out of the fridge and gradually heats it in a saucepan on the hob. However, it is too hot to eat, so he lets it cool back down a bit.

Benji gets the soup out of the fridge and eats it cold.
Time in Minutes

Dive in by completing your own activity!


## Need Planning to Complement this Resource?

## National Curriculum Aim

Solve comparison, sum and difference problems using information presented in a line graph.

For more planning resources to support this aim, click here.


Twinkl Planlt is our award-winning scheme of work with over 4000 resources.


