## Diving into Mastery



## 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

- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.



## Introducing Line Graphs



What information is missing from this graph?

Title

Label

Label

## Introducing Line Graphs

How Far a Family Cycled over an Hour
(2000

How Far a Family Cycled over an Hour


Use this line graph to answer these questions.

Estimate how far the family had cycled after 25 minutes?

1250 metres

One rider had to stop to change a tyre. When was this?
$30-40$ minutes in

How Far a Family Cycled over an Hour


When did the family cycle most slowly?

Between 0 and 10 minutes and 50 and 60 minutes

How do you know?

We can see the line is less steep, meaning they travelled a shorter distance in the first and last 10 minutes.

Number of People in the Park on a Morning


Can this graph tell us how many people were in the park at 10:30?

No. We can estimate the number of people to be between 15 and 16 but since we cannot have half a person we cannot say exactly how many were there at 10:30.

## Introducing Line Graphs

Dive in by completing your own activity!


## Need Planning to Complement this Resource?

## National Curriculum Aim

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

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


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


