## Tables and timetables

## Prior learning

- Can construct frequency tables, pictograms, bar charts and line graphs to represent the frequencies of events and changes over time.
- Can collect, select and organise data to answer questions, draw conclusions and identify further questions to ask.


## Learn

- Use the table in the textbook to reinforce effective use of a table of information. This can be extended beyond locating data to making deductions (Which planet has the shortest orbit time?), and 'sum' and 'difference' type questions (How much hotter is Venus than Earth?).

Curriculum objectives

- To complete, read and
interpret information in tables, including timetables.

Success criteria

- I can read and use tables and timetables.


## Talk maths

- The bus timetable provides a range of opportunities for enhancing understanding. Assuming a constant speed for the bus, children should be able estimete the realiv be able estima this distances acations. This could an an simplifed map of the maginary town. Alternatively, children could question each ther about departure and journey times, and/or create further columns for the next three or four buses.
- A range of timetables will be needed for this activity to succeed. If it is impractical to get these from bus and railway tations, remember that a wid range of timetables, including interactive ones, are available online.
- There are ample learning opportunities in planning agendas for day trips, including waiting times. More confident learners can move on to plan world travel via online research.

This section in the textbook will consolidate skills and vocabulary developed so far. To provide extended, context-based work extended, context-based work he links to 100 Maths Lessons Year 5 provide scenarios and ffectives with can be ver effective with appropriate planning

- If further practice in using bar charts or line graphs is required, challenge the children to consider how they would interpret the information in the planets chart and bus timetable. Can they create charts and graphs for these?


## Problems

Once children have solved the problems, encourage them to develop their own, in particular with new bus times for later in the day, which they will need to calculate for themselves.

- 100 Maths Lessons Year 5, Summer 2, Week 6, which may have been used when studying ine graphs, can also provide experience in creating charts and tables.



## 100 Maths Lessons Year 5 links:

- Autumn 2, Week 6 (pages 78-82): collect, organise and interpret information in tables and bar charts
- Summer 2, Week 6 (pages 242-246): plan an investigation to collect and represent data


## Year 5 Practice Book

 links:- (pages 122-123): Complete a timetable

