

Diving into Mastery – Diving

Adult Guidance with Question Prompts



Tables

Discuss the similarities and differences between a tally chart and a data table. Explain that tally charts are more useful for collecting data but tables are easier to read.

What is a tally mark?

How to you represent a group of five with a tally?

What is a tally chart and what is it used for?

What is a data table and what is it used for?

Can you roll the dice and record the number you have rolled on the tally chart using tally marks?

Can you use the data from the tally chart to complete the table?

Compare the table and the tally chart. What is the same and what is different?

Look at the data on the table. What number was rolled the most/least?

Stem Sentences

- The tally marks show ___ groups of 5 and ___ single tally marks.
- The total is _____.
- The table shows that number ___ was rolled ___ times.

Tables



With a friend, take 10 turns each to roll a dice. Record the scores on the tally chart.

Score	Tally

Use the tally chart to complete this table.

Score						
Total						

Which number was rolled the most?

Which number was rolled the least?



Diving into Mastery – Deeper

Adult Guidance with Question Prompts



Tables

Children should collect and input data into the table. They should carefully analyse and interpret the data to solve problems and mathematically reason.

How many apples/bananas/oranges did you count?

Can you record this as a tally/number?

Read statement 1. Is it true or false?

Explain how you know.

Read statement 2. How can you prove if this statement is true or false?

Read statement 3. How can you work out the total number of pieces of fruit from just using the data on the table?

Can you write a true statement and a false statement about the data?

Can you prove that your statements are true or false?

Stem Sentences

- I know that statement ___ is true/false because...



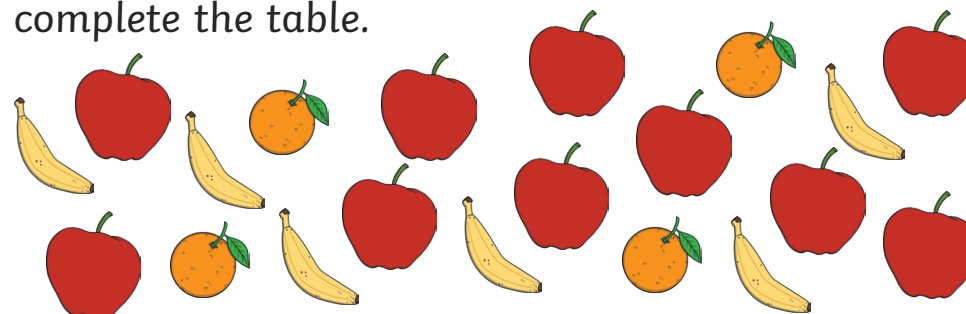
visit [twinkl.com](https://www.twinkl.com)



Tables



Count the fruit in the picture and complete the table.



Fruit	Tally	Total
apples		
bananas		
oranges		

Are these statements true or false?

- 1) There are more oranges than bananas.
- 2) There are 3 more apples than bananas.
- 3) There are 20 pieces of fruit altogether.

Prove it.

Write your own true statement and false statement about the data in the table.



Diving into Mastery – Deepest

Adult Guidance with Question Prompts



Tables

Children should read the clues carefully and start by using the one which they can solve using the information already on the table.

Read all the clues carefully. Which clues can be solved using the data showing how many children chose orange?

How many children chose blue? How did you work this out?

How many children chose red? How did you work this out?

How many children chose purple? How did you work this out?

How many children chose green? How did you work this out?

How many children were in the class?

How many children chose blue, red, orange, green and blue in total?

How many children in total chose pink and yellow?

What do we know about the data for pink and yellow?

How do we work out exactly how many chose pink and how many chose yellow?

Stem Sentences

- I know that ___ chose ___ as their favourite colour because...



visit [twinkl.com](https://www.twinkl.com)



Tables



The table shows Class 4 favourite colours. Some of the data is missing.

Red	Yellow	Blue	Pink	Orange	Green	Purple
				4		

Use the clues to help complete the table.

- There are 30 children in Class 4.
- The number of children who chose pink was the same as the number of children who chose yellow.
- The number of children who chose purple was 1 more than the number that chose red.
- The number of children that chose green was 2 less than the number of children who chose purple.
- The number of children who chose blue was double the number that chose orange.
- Half the number of children who chose orange chose the red.

