

# Diving into Mastery - Deep

## Adult Guidance with Question Prompts

Children use tally charts to record data. They have an understanding of how tally marks are grouped in fives and they count in fives to help them work out the total. Children interpret tally charts to answer questions.

What do we need to know about tally marks before we begin?

How many people had a birthday in January?

How can you count to make it efficient?

How many people had a birthday in February?

How do you know?

Can you draw the tally marks to show how many birthdays there were in April?

What does most common mean?

Explain how you know which was the most common month for birthdays.

Explain how you know which month had the fewest birthdays.

## Make Tally Charts



Complete the tally chart.

Birthday Month	Tally	Total
January		12
February		
March		
April		5
May		7
June		
July		
August		11
September		
October		6
November		
December		17

Which is the most common month for birthdays?

Which month had the fewest birthdays?

# Diving into Mastery - Deeper

## Adult Guidance with Question Prompts

Children spot errors in a tally chart by comparing the tally marks to the total. They explain the way five marks are written.

Can you count up the tally marks to check they match the total?

How can you count to make it efficient?

Which totals are incorrect?

How do you know?

What should the total be?

Alex thinks the tally marks should be written like this. Explain why he is wrong.

## Make Tally Charts



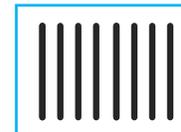
100 children were asked to choose their favourite party foods. Which foods have the wrong total?

Party Food	Tally	Total
crisps		22
jelly		19
cake		24
sandwiches		8
ice cream		41

Count the tally marks to work out the correct totals.



The tally marks for the sandwiches should look like this.



Explain why Alex is wrong.

# Diving into Mastery - Deepest Adult Guidance with Question Prompts

Children construct a simple tally chart and answer questions by totalling and comparing data. Children may need a ruler to draw a table or you could provide a predrawn table for children to record their results.

How will you create a tally chart?

How many columns and rows will we need in the table?

What will the table headings be?

Show me how you will record each type of entertainment.

How many children chose each type as their favourite?

How will you draw that number of tally marks?

Which entertainment got the most/least votes? Explain how you know.

How many children chose a clown and how many chose a disco? What is the difference between those two numbers?

How many votes did the magician and balloon modeller get? Explain how you will find the total number of votes.

## Make Tally Charts



Some children voted for their favourite party entertainment by putting a cross in the box.

clown	xxxxx xxxxx xxxxx xxxxx xxx
disco	xxxxx xxxxx xx
magician	xxxxx xxxxx xxxxx xxx
balloon modeller	xxxxx xxxxx
party games	xxxxx xxxxx xxxxx xxxxx xxxxx xx

Represent this data using a tally chart.

Which is the most popular party entertainment?

Which is least popular?

What is the difference between the number of votes for a clown and a disco?

How many votes did a magician and a balloon modeller get altogether?