

Diving into Mastery – Diving

Adult Guidance with Question Prompts



Make Tally Charts

Children use tally charts to record data. They have an understanding of how tally marks are in groups of 5 and count in steps of 5 to help them find the total. Children interpret a tally chart to answer questions.

What do you know about tally charts?

How do you show the numbers 1 to 4 as a tally?

What happens when you need to show 5?

What would ____ look like as a tally?

How many children chose ____? How do you know?

How many groups of 5 are there? How many single tallies?

How can counting in steps of 5 help you find the total?

Which was the most popular flavour of ice cream?

How do you know?

Which flavour did fewest children choose?

How many more children preferred vanilla than mint? Prove it.

Stem Sentences

- The tally chart shows ____ groups of 5 and ____ more.
- The total is ____.
- To show ____ as a tally, I need to draw...



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Make Tally Charts



Complete the tally chart showing children's favourite flavour of ice cream.

Ice Cream Flavour	Tally	Total
vanilla		12
chocolate		
strawberry		
mint		7
caramel		
rocky road		11

Which was the most popular flavour of ice cream?

Which flavour did fewest children choose?



Diving into Mastery – Deeper

Adult Guidance with Question Prompts



Make Tally Charts

Children apply their knowledge of tally charts to check given totals and spot mistakes. They can understand how tally marks are drawn in groups of 5, and count in steps of 5 to help them check the total.

How do we use tallies to represent a total?

What is the most efficient way of counting the tallies?

Can you count the tallies to check the totals?

Which totals are incorrect?

How do you know?

How many groups of 5 are there? How many single tallies are there?

What should the correct total be? Prove it.

How has Josh represented the number 8?

What mistake has he made?

What is the correct way of representing 8? Why?

Can you explain how you would represent the number ____?

Stem Sentences

- The tally chart shows ____ groups of 5 and ____ more.
- The total is ____.
- To show ____ as a tally, I need to draw...



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Make Tally Charts



Some children were asked to choose their favourite party foods.

Party Food	Tally	Total
crisps		22
jelly		19
cake		24
sandwiches		8
ice cream		21

Can you spot the mistakes? Count the tally marks to find the correct totals.



Josh

The tally marks for the sandwiches should look like this.

Explain why Josh's statement is incorrect.



Diving into Mastery – Deeper

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Make Tally Charts

Children apply their knowledge of tally charts to solve a problem. They will make a tally chart with totals that meet a set of given criteria. They understand how tally marks are in groups of 5 and count in steps of 5 to help them check their totals.

What does the tally chart tell you so far?

What information is missing?

Can you find how many children travel by car straight away? Why not?

How many children could cycle to school? How do you know?

How might the third clue affect your answer?

How many children could travel by bus? How do you know?

Can you now find how many could travel by car?

What would ___ look like as a tally?

How many groups of 5 will you draw?

How many single tallies will you draw?

How will you check your tallies show the correct total?

Stem Sentences

- The tally chart shows ___ groups of 5 and ___ more.
- The total is ___.
- To show ___ as a tally, I need to draw...



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Make Tally Charts



Use the clues to complete the tally chart.

Travel to School	Tally
walk	
bicycle	
car	
bus	
scooter	

The number of children who travel by car is greater than the number who ride a scooter but fewer than the number who cycle to school.

More children children ride a bike to school than scooter.

Most children walk to school.

Fewer children children travel by bus than by walking.

Can you find more than one possible solution?

