

Discussion Problems

Step 1: Make Tally Charts

National Curriculum Objectives:

Mathematics Year 2: (2S1) [Interpret and construct simple pictograms, tally charts, block diagrams and simple tables](#)

Mathematics Year 2: (2S2a) [Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity](#)

Mathematics Year 2: (2S2b) [Ask and answer questions about totalling and comparing categorical data](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

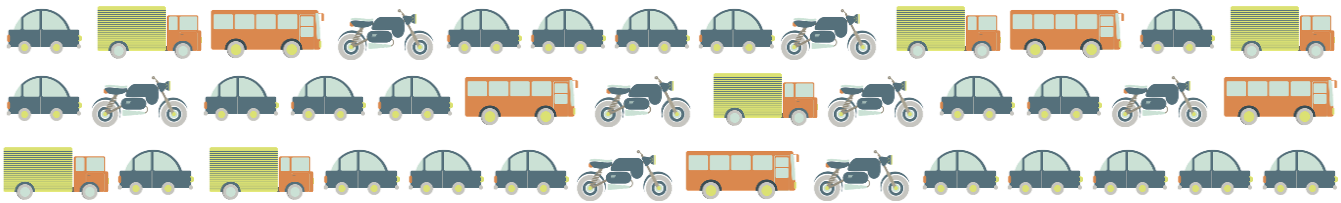
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 2 Statistics](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Make Tally Charts

1. George counted the vehicles passing his school one afternoon. This is what he saw:



He made a tally chart.

Cars	Tally	Total
Buses		5
Cars		20
		6
Motorbikes		8

Find the errors and draw a tally chart to show George how it could be improved. DP

2. Lee, Gemma and Natasha have been to the farm. They are discussing the animals they saw.



Lee

We saw 5 more cows than pigs.
We saw fewer horses than pigs.



Gemma

We saw an odd number of sheep.
We didn't count more than 30 of any animal.



Natasha

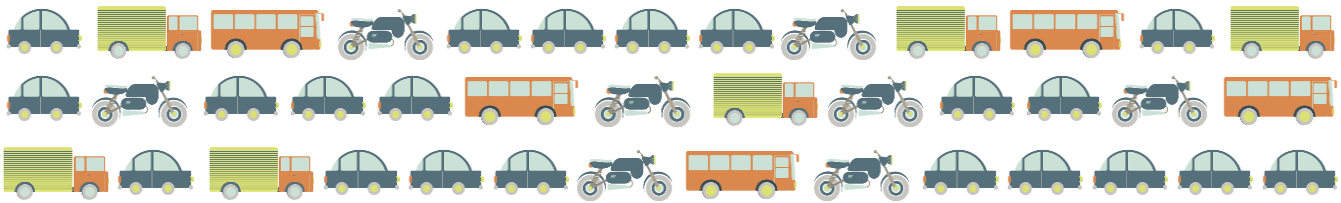
We saw between 20 and 25 pigs.
We saw more sheep than any other animal.

Draw a tally chart to show how many of each animal they might have seen.

Animals	Tally	Total
Cows		
Pigs		
Horses		
Sheep		

Make Tally Charts

1. George counted the vehicles passing his school one afternoon. This is what he saw:



He made a tally chart.

Vehicles	Tally	Total
Buses		5
Cars		21
Lorries		6
Motorbikes		8

Find the errors and draw a tally chart to show George how it could be improved. DP

2. Lee, Gemma and Natasha have been to the farm. They are discussing the animals they saw.




Lee

We saw 5 more cows than pigs.
We saw fewer horses than pigs.



Gemma

We saw an odd number of sheep.
We didn't count more than 30 of any animal.



Natasha

We saw between 20 and 25 pigs.
We saw more sheep than any other animal.

Draw a tally chart to show how many of each animal they might have seen.

Various answers, for example:

Animals	Tally	Total
Cows		26
Pigs		21
Horses		8
Sheep		27