

Categorising and Charting a Result

LEARNING TO COLLECT, CATEGORISE AND RECORD DATA

ESSENTIAL QUESTION

How can I easily record how many times something happens?

WHAT ARE WE LEARNING?

- How to count and record data.
- How to categorise simple data.
- How to collect data from different sources.

TRY THIS WITH

- Years 1-3
- Students who have an interest in sorting objects
- Students who love competitive games

FIND

- Choose
- Identify
- Label
- Match
- Listen
- Explain

Practise making doubles.
 Pair students up and give each pair numbers 1-20 or 1-12 written on cards. Place the cards face down and take turns choosing one. Double the number chosen. Introduce the term Tally Chart and explain how tally marks help us count and record how many times something happens. Watch the Hats on Farms video. Count how many different hats Rosie wears. Model how to use tally marks to record the counting. Pair the students up to watch the About Milk video. Count how many times Rosie says the word 'milk'. Add the tally marks up and compare answers.



APPLY

- Identify
- Choose
- Select
- Group
- Organise
- List

Conduct a mini survey in pairs. Discuss how the students might approach the problem, including how they will record their ideas. Give students one category and three sub categories to tally. Examples could include:

- Types of books - work books, library books, picture books
- Types of stationery - pencils, scissors, coloured pencils
- Subjects of work on the wall - maths, science, art.

Explain that the students will need to record their tally marks in the correct sub category. Encourage students to use a systematic approach to ensure they find all possible answers. Ask each pair to share their totals and the tally marks they recorded. Check their totals as a class.



PRODUCE

- Add to
- Compile
- Decide
- Think
- Explain
- Evaluate

Give the students the following three categories for their next investigation. Animals with two legs, Animals with four legs, Plants. Using the Bingo game, tell students that they will need to listen carefully to the card that is called out. As a card is called out, students are to record (using a tally) which category it fits under, as well as place a counter on their game card. Once the Bingo game is finished, check answers to see who has the correct tally for each category. Reuse the Bingo game as part of your numeracy activities. Can students design a human bingo game? Create a display of the data collected.



SUCCESS CRITERIA

Students can check they have completed the task successfully by:

- Understanding how to collect and present data in a different way.
- Making a simple number statement about the tally chart.
- Compiling a simple tally chart.

PRINCIPLES	VALUES	KEY COMPETENCIES	LEARNING AREAS	WORD BANK	KEY CONCEPTS
Learning to learn High expectations	Integrity Innovation, inquiry and curiosity Community and participation	Thinking Using languages, symbols and text	Mathematics and Statistics English	Tally Chart Recording Grouping Compare	Number Sequence Recognise a Pattern Explain Groupings Make Statements