

MATHS

Lesson 21

Prep

Topic: Data representation and interpretation

Collecting information by answering questions

Lesson concepts



Data collection — Questions

Today students will:

- ▶ answer questions to collect information.

Resources

Digital

Learning object — Baa baa black sheep

Find and prepare

Sheet — Playing games

A collection of ten toys or everyday objects

Two 'yes' and 'no' labels

Two baskets, hoops or locations for sorting objects

Key terms

For definitions and explanations of terms, please see the [Glossary](#).

Lesson

Introduce the lesson

Note

It is important to highlight and develop the following vocabulary throughout this lesson.

question, answer, yes, no, information, sort

Recognise questions

- Have students watch and listen to the **Learning object** — **Baa baa black sheep**.



- Have students say the rhyme as they follow the words on the screen.
- Ask questions to help students to talk about the questions in the rhyme 'Baa baa black sheep'.

Focus questions

Q: *What question did you hear in the rhyme?*

A: 'Have you any wool?'

Q: *Who do you think asked the question?*

A: For example: a farmer.

Q: *What do you get if you ask a question?*

A: An answer

Q: *Who answered the question?*

A: The black sheep

Q: *What was the answer to the question in the rhyme?*

A: 'Yes sir, yes sir, three bags full'

Q: *Could you ask that question in a different way?*

A: For example: How many bags of wool do you have?

Q: *Would you get the same answer? Why?*

A: For example: Yes, the question means the same thing

- Explain to students that in this lesson, they will think about questions and answers.

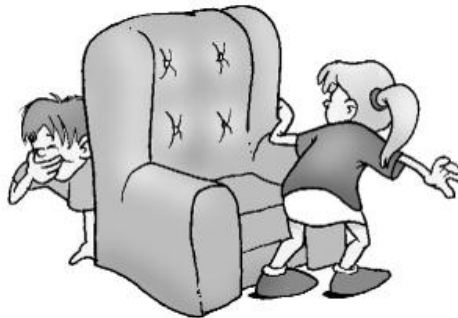
Answer questions



- Show the students the pictures of play activities on the **Sheet** — [Playing games](#).
- Ask students to choose a picture.
- Ask questions about the picture that students chose. The questions should require a *yes* or *no* response.

Focus questions

- Q: *Are there people in this picture?*
- Q: *Are there two people in the picture?*
- Q: *Are they having fun?*



Answer questions

Ask students further questions that require a *yes* or *no* answer. For example:

Focus questions

- Q: *Are you wearing shoes today?*
- Q: *Does your family have a pet dog?*
- Q: *Did you eat toast for breakfast this morning?*
- Q: *Are you the oldest child in your family?*
- Q: *Did you bring a hat to school today?*
- Q: *Do you like going to the movies?*

Practise sorting yes/no information

Explain to students that questions and answers help us collect information and that we can organise or sort information so that it is easier to understand.

Ask students to collect 10 toys or everyday objects.

Place two scraps of paper or sticky-notes labelled 'yes' and 'no' into two separate baskets, hoops or locations.

Ask questions about the collection that require a yes or no response.

Students sort their toys/objects into two groups according to the answer to the question.

Discuss the different groupings with students.

Student can select one of their yes/no group arrangements and draw a picture of it to record their information.

Focus questions

Q: *Does this toy/object have moving parts?*

Q: *Is this toy/object soft?*

Q: *Is this a special toy/object?*

Q: *Is this toy/object red? (or another colour evident in the collection)*