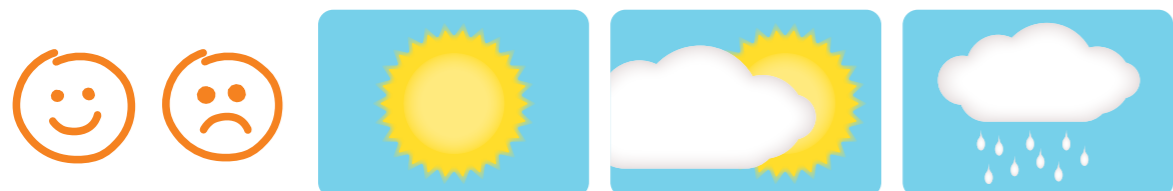


Foundation

I can explain how an object, picture or symbol stands for an idea or observation.

A picture, object or symbol can be used to communicate an idea or observation. For example, which emoji would you choose to tell us how you are feeling today? Which picture shows what tomorrow's weather is expected to be?



Use symbols such as emojis to communicate how we feel. The U shape represents a happy person even though it is only an abstract representation of a smile, not even a whole person.



When drawing a picture to represent familiar objects, identify the features that can help us differentiate one from the other. For example, what features does a cat have that make it different to a dog?



Draw and display pictures to represent our daily activities. Compare representations and identify the commonly used features that make them easy to recognise.



For suggested resources



<https://bit.ly/DataRepFoundation>

Years 1–2

I can use numbers and words to denote values, events or ideas.

Objects, ideas and events can be represented as pictures, symbols, numbers and words.

Data such as numbers can be represented as images, words, digits and tally marks.



Symbols such as arrows can be used to represent directions. These might be used to give a series of directions to follow.



Glyphs are graphical symbols or representations used to convey information or data. A simple key helps students interpret the data used to convey information.



- KEY**
- windows = number of people in the family
 - roof colour = number of pets (red =0, blue =1, pink =2 or more)

An image of a house could be used as a glyph to visually represent data about a family. In this example, the number of windows represents the number of people in the family, red roof means no pets, blue roof means one pet.

First Nations Australians calendars represent seasonal and environmental indicators that signify connected events. For example, the blooming of specific flowers can signify the availability of food resources.



Achievement standard

Students represent data using objects, pictures and symbols and identify examples of data that is owned by them.

Content descriptions

Represent data as objects, pictures and symbols | Digital Technologies AC9TDIFK02

Related content

Use shapes or images to represent an object when organising that data.



Mathematics

Collect, sort and compare data represented by objects and images in response to given investigative questions that relate to familiar situations. | Mathematics AC9MFST01

Achievement standard

Students represent and process data in different ways.

Content descriptions

Represent data as pictures, symbols, numbers and words | Digital Technologies AC9TDI2K02

Related content

Data representations can be organised into charts and displays to convey information.

FRUIT	TALLY	FRUIT	TALLY
Orange		Strawberry	
Apple		Pineapple	
Banana		Grapes	

Mathematics

Acquire and record data for categorical variables in various ways including using digital tools, objects, images, drawings, lists, tally marks and symbols | Mathematics AC9MIST01