

STATISTICS

Year 2

KNOWLEDGE ORGANISER

Overview

In our unit on statistics we learn to:

- Make Tally Charts
- Draw Pictograms (1-1)
- Interpret Pictograms (1-1)
- Draw Pictograms (2, 5, 10)
- Interpret Pictograms (2, 5, 10)
- Block Diagrams

This learning is important because...

...it helps us to read and understand information. We can make use of information to answer important questions. It also helps us to think critically to solve problems.

Tally Charts

-Tally marks are a useful way of tracking scores. Each tally mark means '1.'

-Tally marks look like those shown on the right. The first four marks are straight vertical lines. The fifth line goes across diagonally, like a gate.



-Tally charts are one way of collecting data with tally marks.

-The tally chart on the right shows the favourite fruit of children in a class.

Fruit		Tally	
apple		I	6
strawberry		II	7
banana		III	8
orange			4
grapes			5

Pictograms

Pictograms use pictures or symbols to show data.

The key shows us how much each symbol represents.

KEY

 = 1 child

In this pictogram, one symbol represents 2 books.

KEY

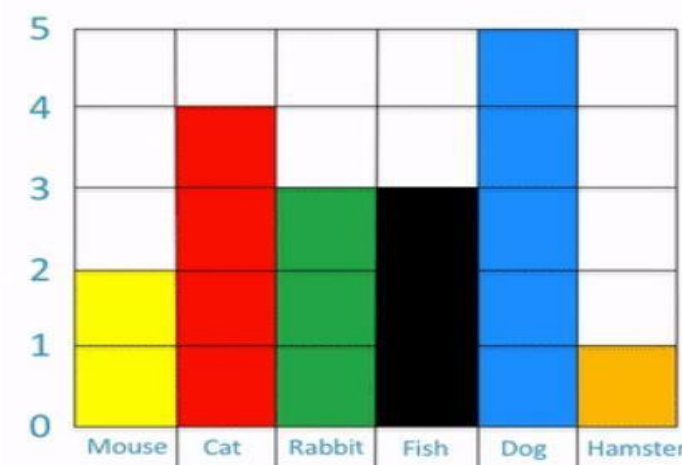
 = 2 books

Fruit	Favorite Fruit
apple	    
banana	     
strawberry	  
pear	 
grapes	   

	Books
Nancy	   
Amanda	  
Natasha	      
Nathan	   
Brandon	     

Block Diagrams

-Block diagrams show data using blocks. Each block represents one item.



This block diagram shows the different pets the children in a class have.

-The y-axis (going up and down) shows the number of people who selected each pet as their favourite

-The x-axis (going across) shows the different types of pets.

Key Vocabulary

Statistics

Tally Chart

Block Diagrams

Data

Interpret

Key

Table

Total

Compare

Symbol