



MINISTRY  
OF  
EDUCATION, YOUTH & INFORMATION  
*Every Child Can Learn, Every Child Must Learn*



# **NATIONAL MATHEMATICS PROGRAMME**

## **RESOURCE DOCUMENT**

FOR GRADE ONE TEACHERS

**Objective:** Collect, sort and group data using attributes closely related to students to classify data

**Topic:** Sample Chart - Favourite Shape

Provide a chart listing of shapes and have students go to the board to place a sticker beneath their favourite shape.

### Sample Chart - Favourite Shape

Circle	Triangle	Square	Rectangle

**Objective:** Collect, sort and group data using attributes closely related to students to classify data

**Topic: Survey Questions for data collection**

Organize students in groups (depending on the size of your class and resources available) and give each group a survey question along with the *simple* material they will use to represent data on a pictograph.

They will question each other and use *simple* materials to collect and organize the data.

*Suggested simple materials are clothes pins, ribbons or strings, sticky notes or strips of coloured paper, linking cubes, coloured links, elastic bands, large paper clips, fudge sticks, plastic cups or empty tins.*

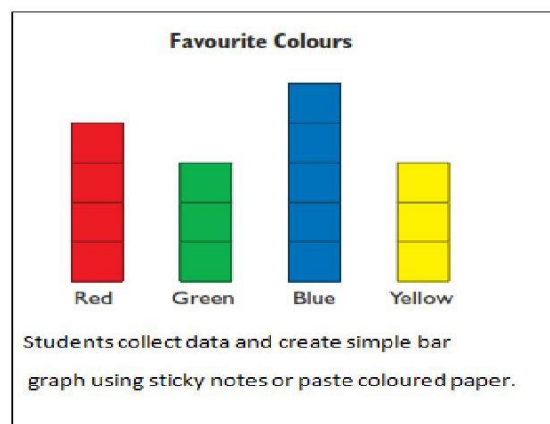
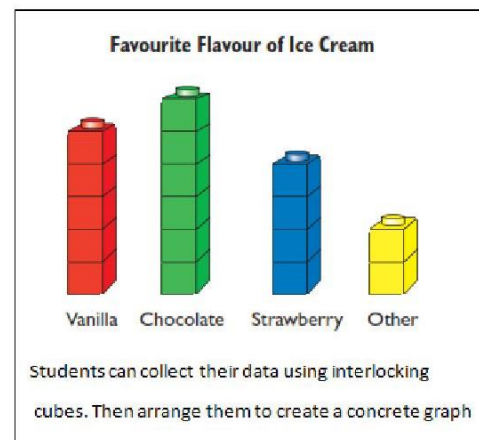
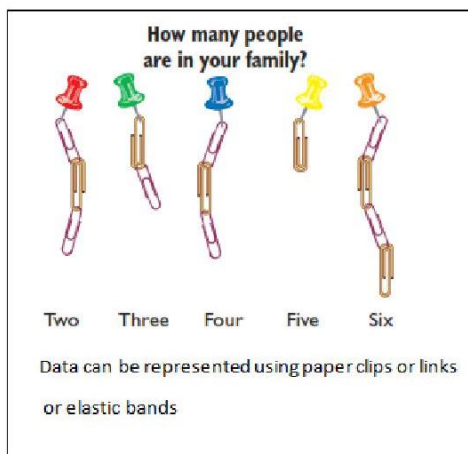
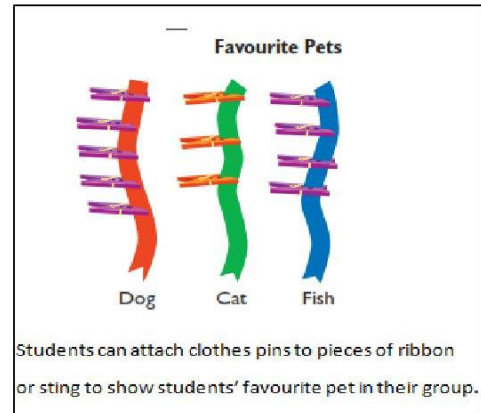
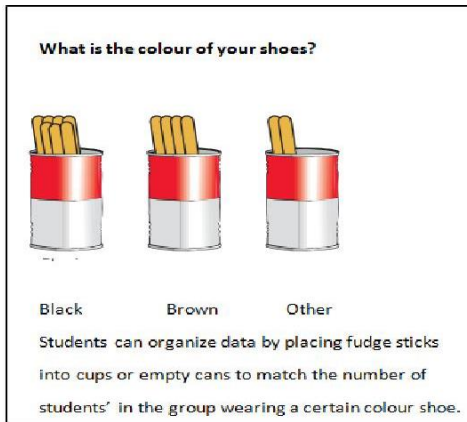
Each group will collect, sort, group and present the data to the class.

**Suggested survey questions:**

1. What is your favourite colour?
2. What is your favourite pet?
3. What is your favourite flavour ice-cream?
4. What is the colour of your shoes?
5. How many people are in your family?

## Topic: Survey Questions for data collection

### Sample Representations



**Topic:** The pictograph shows the birth months of children in Grade 1 Red

	Each smiley face  stands for 1 student
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

**Topic:** Activity sheet- Animals on the Farm

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Look at the picture of the animals on the farm. Count how many of each type of animal there are, then colour the number of bars to match each type of animal on the bar graph below.

**How many of each animal is on the farm?****Chicken****Cow****Dog****Goat**

### Animals on the farm

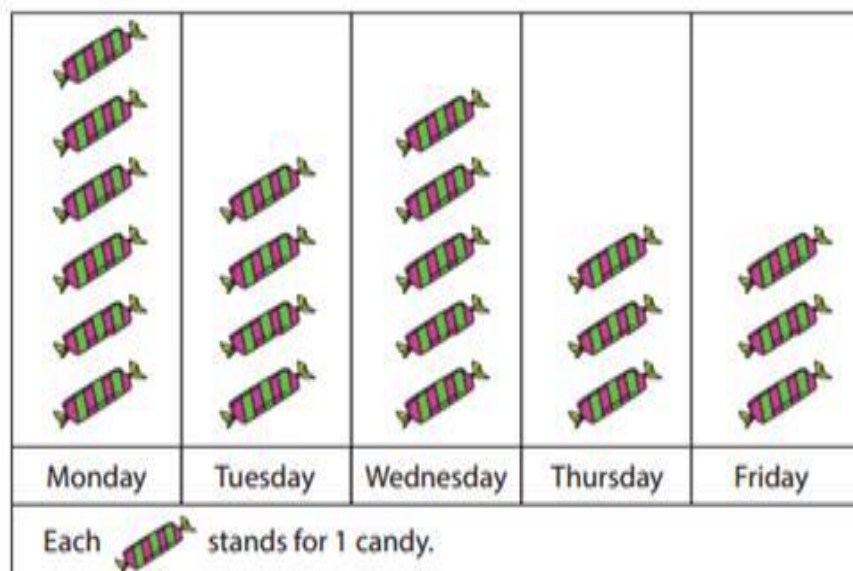


**Topic: Candies pictograph**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

The following pictograph shows the number of candies I got from Monday to Friday. Answer the questions.



1. How many candies did I get on Monday? \_\_\_\_\_
2. How many candies did I get on Friday? \_\_\_\_\_
3. How many candies did I get on Tuesday, Wednesday and Friday altogether? \_\_\_\_\_
4. On which day did I get the most candy? \_\_\_\_\_
5. If I ate 2 of the candies I got on Monday, how many candies did I have left that day?