
Subject: Mathematics

Level: Standard One

Strand: Statistics

Topic: Pictograph

At the end of this work sheet you will be able to:

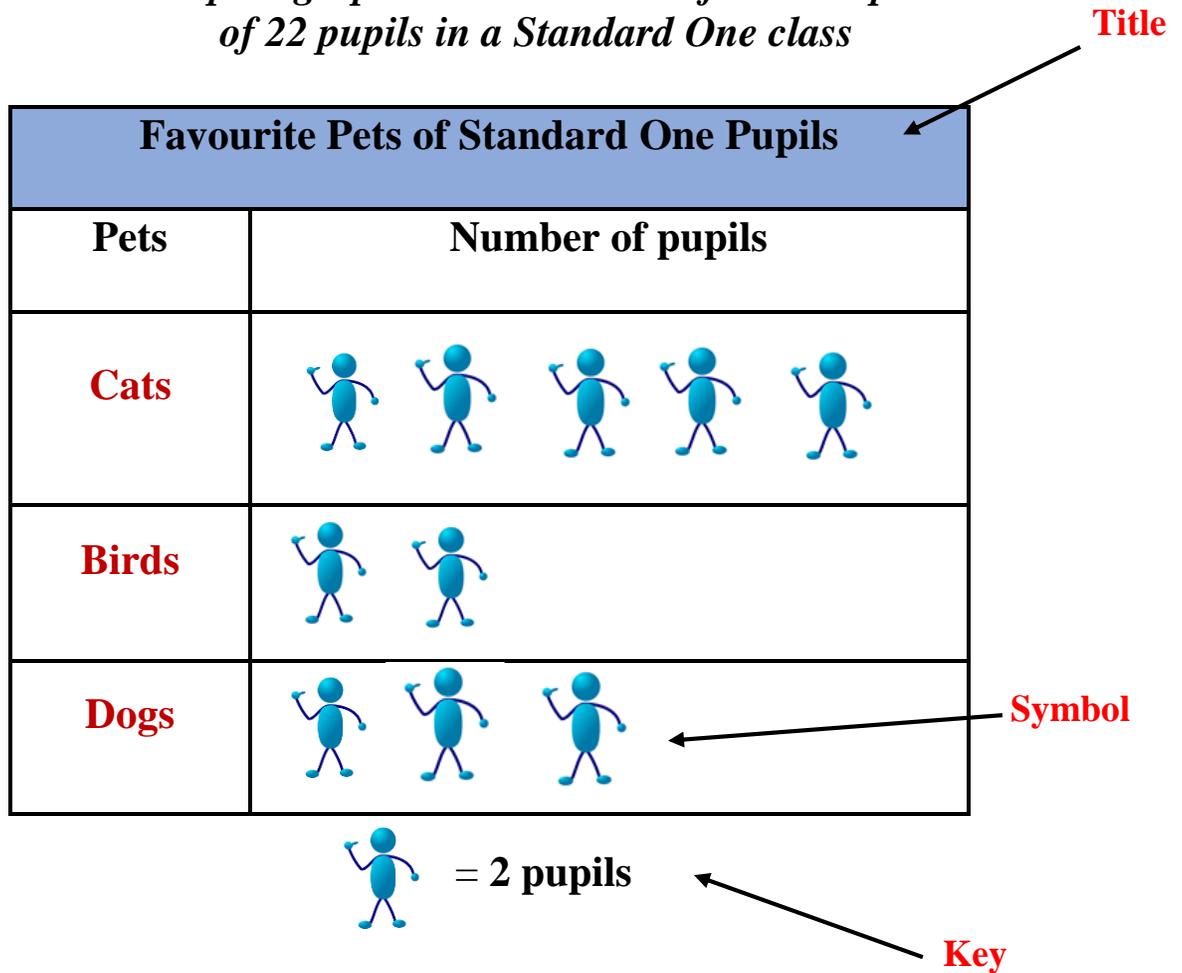
- Interpret and represent data using pictographs.

Key Points

- A **pictograph** is a chart which uses pictures or symbols to show information.
- Pictographs have **three** main features namely; a **title**, a **symbol** and a **key**.
- The **title** tells us what the pictograph is about.
- **Symbols** are used to represent information. They are usually pictures.
- The **key** tell us the meaning of the symbol and the quantity it represents. See the example below:

A PICTOGRAPH WITH ITS FEATURES

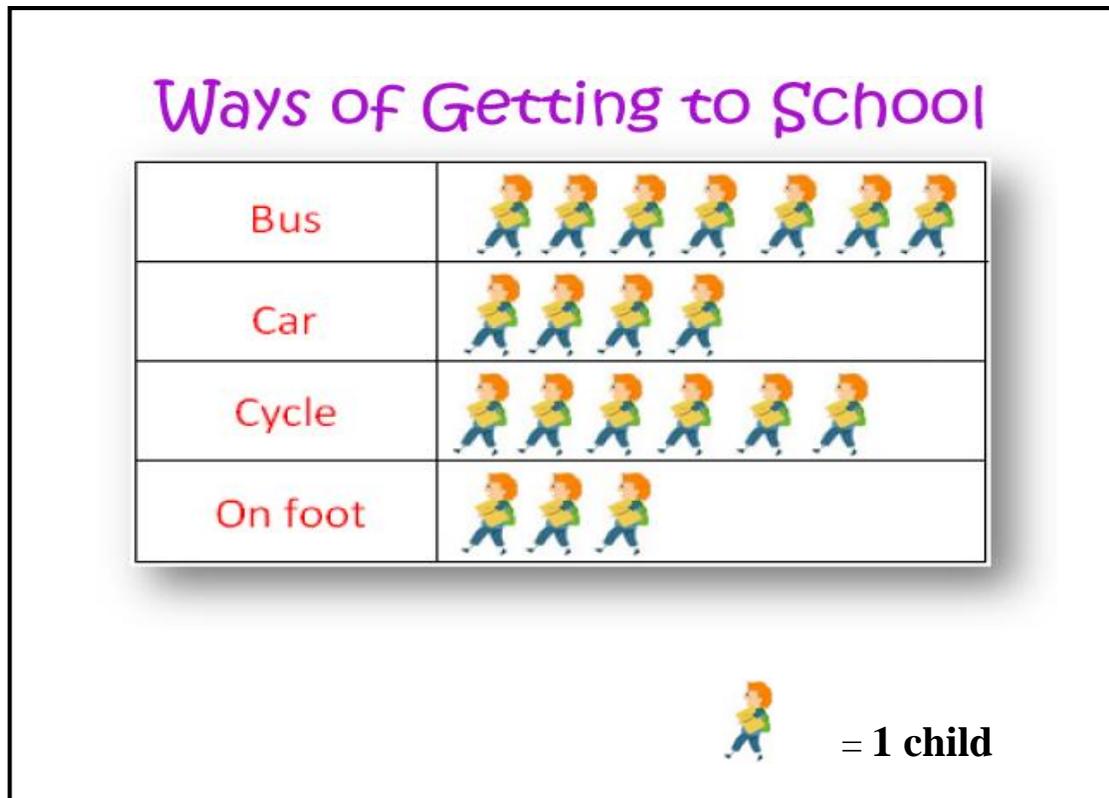
The pictograph below shows the favourite pets of 22 pupils in a Standard One class



The pictograph shows that the **cat** is the favourite pet of **10 pupils**.

This is because **one symbol represents 2 pupils**.

ACTIVITY 1



Using the pictograph above, answer the following questions.

1. How many children use the bus to go to school?

2. How many **more** children go to school by bus **than on foot**?

3. If all the children in the pictograph are in Standard One, how many children are in Standard One?

4. If  represents **2 children**, how many children would be going to school by cycle?

ACTIVITY 2

1. The table below shows the number of ice-cream cones that were sold from among four different flavours.

Flavours of ice-cream	Number sold
Vanilla	8
Chocolate	10
Strawberry	12
Coconut	10

Using the table above, complete the pictograph by drawing in the number of cones for each flavour. (**Look carefully at the key!**)

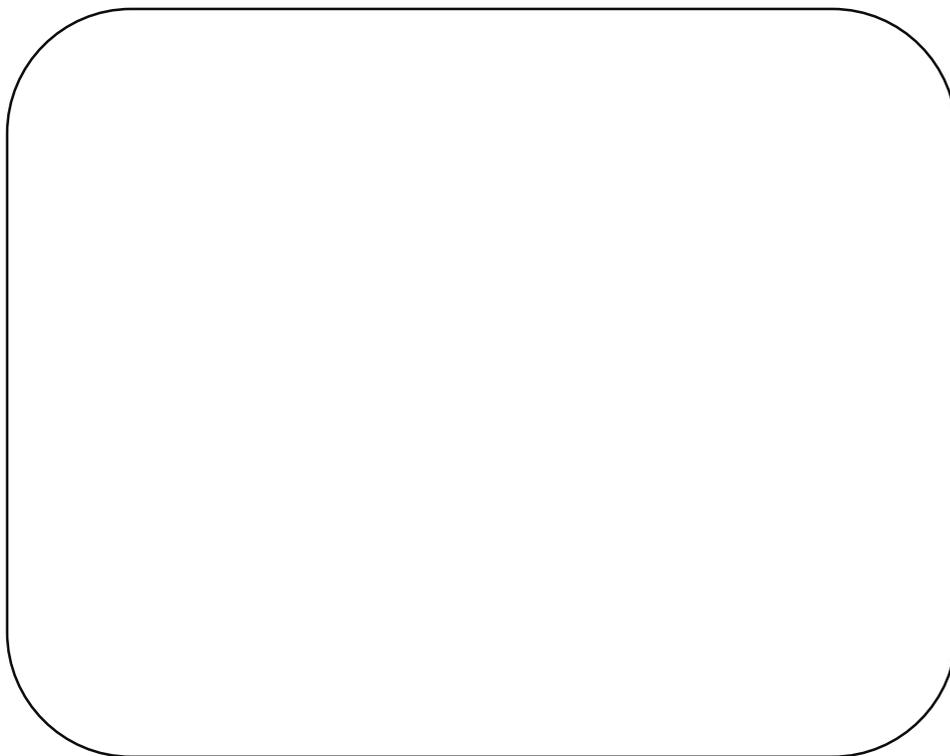
Ice-cream cones sold at a Fair	
FLAVOUR	NUMBER SOLD
Vanilla	
Chocolate	
Strawberry	
Coconut	

 = 2 cones

2. Look at the table below and answer the questions that follow.

Pupils	Gifts
Kerry	<input type="checkbox"/> <input type="checkbox"/>
Megan	
Rachel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Justin	<input type="checkbox"/> <input type="checkbox"/>

a) If Justin received two gifts, use the space provided to convert the table to a **pictograph** by inserting the necessary **features**.



b) What if Kerry had six gifts in total, how many gifts does 1 represent?

c) If 1  = 2 gifts and Megan received **four fewer** gifts than Rachel, draw in the number of symbols on the pictograph to show the number of gifts Megan received.

ANSWER KEY

ACTIVITY 1

1. **7** children use the bus to go to school.
2. **4** more children go by bus than on foot.
3. **20** children are in Standard One.
4. **12** children would go to school by cycle.

ACTIVITY 2

1.

Ice-cream cones sold at a Fair	
Flavour	Number sold
Vanilla	
Chocolate	
Strawberry	
Coconut	

 = 2 Cones

2. a)

THE NUMBER OF BIRTHDAY GIFTS RECEIVED BY FIVE PUPILS	
Pupils	Gifts
Kerry	<input type="checkbox"/> <input type="checkbox"/>
Megan	
Rachel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Justin	<input type="checkbox"/> <input type="checkbox"/>

= 1 Gift

b) 1 = 3 Gifts

c)