

Varied Fluency

Step 3: Interpret Pictograms (1-1)

National Curriculum Objectives:

Mathematics Year 2: (2S1) [Interpret and construct simple pictograms, tally charts, block diagrams and simple tables](#)

Differentiation:

Developing Questions to support interpreting a pictogram using one to one correspondence to answer simple retrieval questions. Includes up to 10 pictures or symbols in each category.

Expected Questions to support interpreting a pictogram using one to one correspondence to answer questions. Includes up to 15 pictures or symbols in each category.

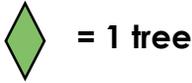
Greater Depth Questions to support interpreting a pictogram using one to one correspondence to answer questions, including some two step questions. Includes up to 15 pictures or symbols in each category.

More [Year 2 Statistics](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Interpret Pictograms (1-1)

1a. Tick the statements that are correct.



Tree	
Oak	
Ash	
Beech	

A. There are 4 oak trees.

B. There are 3 ash trees.

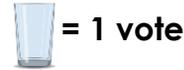
C. There are 2 beech trees.



VF

Interpret Pictograms (1-1)

1b. Tick the statements that are correct.



Juice	
Pineapple	
Orange	
Apple	

A. 4 people chose pineapple juice.

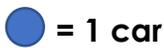
B. 7 people chose orange juice.

C. Apple juice was chosen by 6 people.



VF

2a. Ben records the colour of cars that pass his school.



Colour	
Red	
Blue	
Black	
Grey	

Answer the questions using Ben's pictogram.

A. How many grey cars pass by?

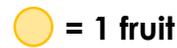
B. How many blue cars were there?

C. How many red cars pass by?



VF

2b. Lucy records the favourite fruits of children in her class.



Fruit	
Apple	
Banana	
Pear	
Orange	

Answer the questions using Lucy's pictogram.

A. How many children like apples?

B. How many said they like pears?

C. How many chose bananas?



VF

Interpret Pictograms (1-1)

3a. Tick the statements that are correct.

 = 1 flower

Flower	
Rose	
Tulip	
Orchid	

A. The least popular flower was the rose.

B. Two more people chose tulip than orchid.

C. 35 people were asked in total.



VF

Interpret Pictograms (1-1)

3b. Tick the statements that are correct.

 = 1 pet

Pets	
Rabbit	
Dog	
Cat	

A. 7 more children had a cat than had a rabbit.

B. 24 children said they had a dog or a cat.

C. Rabbit was the least popular.



VF

4a. Sally recorded the sea creatures she saw at a sea life centre.

 = 1 creature

Creature	
Lobster	
Starfish	
Octopus	
Turtle	

Answer the questions using Sally's pictogram.

A. Which creature was the most common?

B. How many starfish were there?

C. How many more turtles were there than lobsters?



VF

4b. Zac recorded the favourite flavours of ice-cream for the children in his class.

 = 1 ice-cream

Flavour	
Vanilla	
Cookie	
Toffee	
Mint	

Answer the questions using Zac's pictogram.

A. Which flavour was the least popular?

B. How many chose toffee as their favourite?

C. How many children were asked altogether?



VF

Interpret Pictograms (1-1)

5a. Tick the statements that are correct.

 = 1 vote

Sport	
Tennis	
Football	
Hockey	

- A. Football was the most popular sport, but only by 3 votes.
- B. Tennis was the least popular, but only by 1 vote.
- C. Football was most popular and Hockey was the next most popular.



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Interpret Pictograms (1-1)

5b. Tick the statements that are correct.

 = 1 vote

Subject	
Maths	
English	
Science	

- A. The total that chose Maths or English was 26.
- B. Maths was the most popular and Science the least popular.
- C. 4 more people liked Maths than English.



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6a. Adam recorded the types of animals he saw at the zoo.

 = 1 animal

Animals	
Monkey	
Tiger	
Lion	
Zebra	

Answer the questions using Adam's pictogram.

- A. Which animal was the second most common?
- B. If he saw 2 more giraffes than he saw tigers, how many did he see?
- C. How many more lions were there than tigers?



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6b. Amber recorded how children in her year group travel to school.

 = 1 transport

Travel	
Walk	
Car	
Bus	
Bike	

Answer the questions using Amber's pictogram.

- A. Which transport was the second most popular?
- B. How many children travel either by bus or car?
- C. How many children do not travel by bus?



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Varied Fluency
Interpret Pictograms (1-1)

Developing

1a. **B and C**

2a. **A. 10; B. 3; C. 4**

Expected

3a. **A and B**

4a. **A. Starfish; B. 12; C. 6**

Greater Depth

5a. **B and C**

6a. **A. Zebra; B. 8; C. 3**

Varied Fluency
Interpret Pictograms (1-1)

Developing

1b. **A and C**

2b. **A. 7; B. 2; C. 9**

Expected

3b. **A and C**

4b. **A. Mint; B. 12; C. 32**

Greater Depth

5b. **A and C**

6b. **A. Bus; B. 21; C. 27**