

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.

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Interpret Pictograms (1-1)

1a. Tick the statements that are correct.

 = 1 tree

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.

 = 1 vote

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.

 = 1 car

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.

 = 1 fruit

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)

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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

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?



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Interpret Pictograms (1-1)

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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.

☐

 GD

VF

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.

☐

 GD

VF

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?

 GD

VF

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**