

Homework/Extension

Step 4: Draw Pictograms (2, 5 and 10)

National Curriculum Objectives:

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

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Complete a pictogram using the information given. Pictogram partially completed. No half pictures.

Expected Complete a pictogram using the information given. Pictogram partially completed. Includes half pictures.

Greater Depth Complete a pictogram using the information given. Blank pictogram. Includes half pictures.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match the pictogram to the correct tally chart. No half pictures.

Expected Match the pictogram to the correct tally chart. Includes half pictures.

Greater Depth Match the pictogram to the correct tally chart. Includes half pictures. No value given.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain the mistake made in the drawing of a pictogram. No half pictures.

Expected Explain the mistakes made in the drawing of a pictogram. Includes half pictures.

Greater Depth Explain the mistakes made in the drawing of a pictogram. Includes half pictures. No value given.




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Draw Pictograms (2, 5 and 10)

1. Complete the pictogram using the information.

- A. There are 10 black coats.
- B. There are 6 red coats.
- C. There are 4 purple coats.
- D. There are the same number of silver coats as purple coats.











Colour of Coats	
Black	  
Red	
Purple	
Silver	

 = 2 coats














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2. Match the pictogram to the correct tally chart.












Favourite Food	
Pizza	 
Salad	   
Pasta	  
Chips	

 = 5 children

A.

Favourite Food	
Pizza	 
Salad	  
Pasta	 
Chips	   














B.

Favourite Food	
Pizza	  
Salad	   
Pasta	  
Chips	














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3. Dan has drawn a pictogram to represent the information in the tally chart.

   	  	    	
Sheep	Cow	Duck	Horse

 = 5 animals

Animals on a Farm	
Sheep	   
Cow	  
Duck	 
Horse	 

Dan has made a mistake. Explain what he has done wrong.








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Draw Pictograms (2, 5 and 10)

4. Complete the pictogram using the information.











- A. There were 9 black cars.
- B. There were three more white cars than black cars.
- C. There were seven fewer yellow cars than white cars.
- D. There were twice as many silver cars as there were red cars.


Colour of Cars	
Black	
White	
Yellow	 
Silver	
Red	

 = 2 cars






















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5. Match the pictogram to the correct tally chart.
















Favourite Pizza	
Cheese	  
Veggie	  
Pepperoni	
Ham	 
Chicken	

 = 10 children

A.


















Favourite Pizza	
Cheese	      
Veggie	      
Pepperoni	
Ham	   
Chicken	 

B.
















Favourite Pizza	
Cheese	 
Veggie	      
Pepperoni	  
Ham	 
Chicken	

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6. Frank has drawn a pictogram to represent the information in the tally chart.

  	   	 	    	  
Carrots	Potatoes	Peas	Beans	Sweet-corn

 = 5 children

Favourite Vegetable	
Carrots	   
Potatoes	    
Peas	 
Beans	
Sweetcorn	  

Frank has made some mistakes. Explain what he has done wrong.

RPS
HW/Ext

Draw Pictograms (2, 5 and 10)

7. Complete the pictogram using the information.

- GD

A.
- There were 15 seahorses.
- GD

B.
- There were 8 fewer crabs than seahorses.
- GD

C.
- Sharks were half the value of whales and there were twice as many whales as there were crabs.
- GD






D.
- There were double as many fish as seahorses.

Sea Creatures	






 = 2 creatures

VF
HW/Ext






8. Match the pictogram to the correct tally chart.

Creatures Seen in the Playground	
Bird	
Squirrel	
Worm	
Cat	
Fox	

A.






Creatures Seen in the Playground	
Bird	
Squirrel	
Worm	
Cat	
Fox	

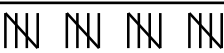
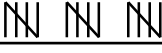
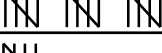

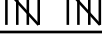
B.

Creatures Seen in the Playground	
Bird	
Squirrel	
Worm	
Cat	
Fox	

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9. Eleanor has drawn a pictogram to represent the information in the tally chart.

				
Dahl		Walliams		Rowling

Favourite Author	
Dahl	
King-Smith	
Walliams	
Donaldson	
Rowling	

Eleanor has made some mistakes. Explain what she has done wrong.













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Homework/Extension

Draw Pictograms (2, 5 and 10)

Developing

1.

Colour of Coats	
Black	    
Red	  
Purple	 
Silver	 


















 = 2 coats

2. B

3. Dan has drawn 5 symbols for duck when he should have only drawn 1.

Expected

4.

Colour of Cars on the Road	
Black	    
White	     
Yellow	  
Silver	 
Red	






































 = 2 cars

5. A

6. Frank has drawn a half symbol for carrots, when it should be a whole symbol. (You can't have 12 and a half children.) He has also drawn 5 symbols for beans, when he should have drawn 1.

Greater Depth

7.

Sea Creatures	
Seahorse	       
Crab	   
Whale	      
Shark	   
Fish	             

 = 2 creatures

8. B

9. Eleanor has made the following mistakes on her pictogram: some missing labels, no value/key for each symbol given (which should be 5), King-Smith should have 3 whole symbols rather than 2 whole and 2 halves, the symbols for Walliams should all be the same size, Donaldson should only have 1 symbol, the symbols for Rowling should be spaced evenly in line with the symbols for the other categories.