

Draw Pictograms (1-1)

Notes and Guidance

Children use tally charts to produce pictograms. They build pictograms using concrete apparatus such as counters or cubes then move to drawing their own pictures. They need to be able to complete missing column or rows. They should use the same picture to represent all the data in the pictogram and line this up carefully. It is important that children see pictograms both horizontally and vertically.

Mathematical Talk




How do you know how many images to draw?

What is the same and what is different about these two pictograms? (same data but shown horizontally and vertically)
Which pictogram is easier to read? Why?


What simple symbol could we draw to represent the data?
Why did you choose this?

Varied Fluency






Complete the pictogram.

Hair Colour		Total
Black		5
Blonde		
Brown		9
Ginger		4


Key

 = 1 person





Use the tally chart to help you complete the pictogram.

Fruit	Tally	Fruit	
Banana		Banana	
Grape		Grape	
Pear		Pear	
Apple		Apple	


Key

 = ____

Complete the pictogram using the data given.

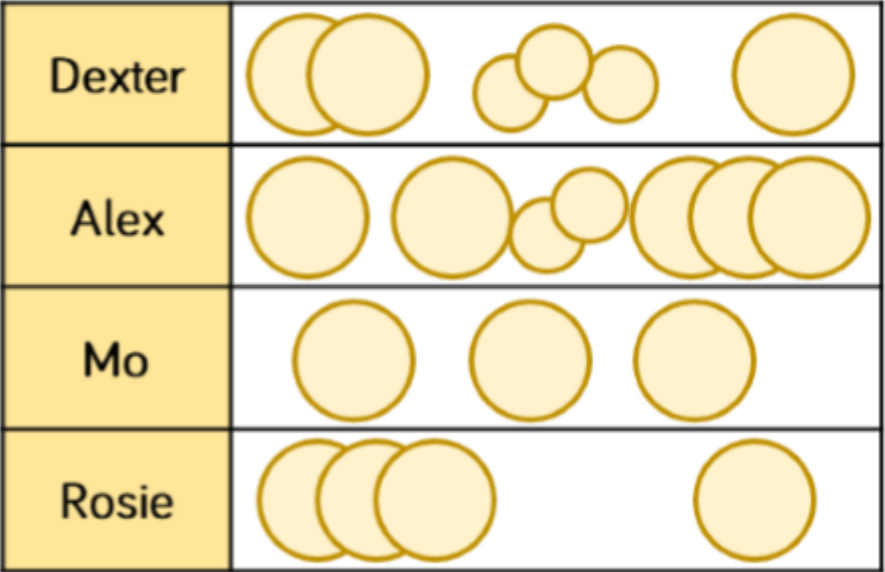
Name	Tally
Teddy	
Annie	
Amir	
Whitney	

Key

 = 1 goal

Have a go at these questions on your own.





Here is a pictogram showing the number of counters each child has.



How could you improve the pictogram?

Use the clues below to help you complete the pictogram.

- More Caramel was sold than Bubblegum flavour, but less than Strawberry flavour.
- Mint was the most popular flavour.
- Vanilla was the least popular.





Flavour	 = 1 ice cream	Total
Strawberry		
Vanilla		
Chocolate		
Mint		
Caramel		
Bubblegum		4

Can you find more than one way to complete the pictogram?

Draw Pictograms (1-1)

Reasoning and Problem Solving

Here is a pictogram showing the number of counters each child has.





Dexter	
Alex	
Mo	
Rosie	

How could you improve the pictogram?

Possible answer
Children show understanding that the pictogram is hard to read as the symbols are overlapping each other. The pictures must be lined up and evenly spaced. There are also different sized circles representing the data. The pictures need to be the same size. There isn't a key.

Use the clues below to help you complete the pictogram.

- More Caramel was sold than Bubblegum flavour, but less than Strawberry flavour.
- Mint was the most popular flavour.
- Vanilla was the least popular.

Flavour	 = 1 ice cream	Total
Strawberry		
Vanilla		
Chocolate		
Mint		
Caramel		
Bubblegum		4

Can you find more than one way to complete the pictogram?

Various answers, e.g.
Strawberry - 8
Vanilla - 1
Chocolate - 4
Mint - 9
Caramel - 6
Bubblegum - 4

