

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children complete missing parts of a pictogram. They may need to do this practically with counters first before using pictures.

What is the pictogram about?

What does one smiley face represent? Where can we find out?

How many children chose apples as their favourite fruit? How do you know?

What is the 'Total' column showing?

Can you use the total to fill in the pictogram for bananas, pears and grapes?

Can you use the pictogram to fill in the total for oranges and plums?

Which fruit is the most popular?

Which fruit did the fewest children choose?

How many children chose oranges?

Which fruit would you have chosen?

Draw Pictograms (1-1)



Class A voted for their favourite fruit. They recorded some of the data in a pictogram.

Finish off the pictogram.

Fruit		Total
apples	    	5
bananas		4
oranges	  	
pears		6
plums	      	
grapes		5

most popular = _____

least popular = _____

Key

 = 1 child



Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children compare tally charts and pictograms to see if they match. They use their knowledge of tally marks from the previous step to help with this comparison.

Can you add up the tally marks to find out how many children chose each fruit?

What does the key show?

What does one square on the pictogram represent?

How many squares have been drawn for apples/bananas/oranges/pears?

What total has been recorded? Is this correct? How does it need to be changed?

Are these sentences about the data true or false? Prove it.

Draw Pictograms (1-1)



Class B collected data using a tally chart. They drew a pictogram to show the data.

Have they done it correctly?

Favourite Fruit	Tally
apples	
bananas	
oranges	
pears	



Fruit		Total
apples	■ ■ ■ ■ ■ ■ ■	6
bananas	■ ■ ■ ■	5
oranges	■ ■ ■ ■ ■ ■ ■	6
pears	■ ■ ■ ■	4

Key

■ = 1 child

True or false?

3 more children chose apples than pears.

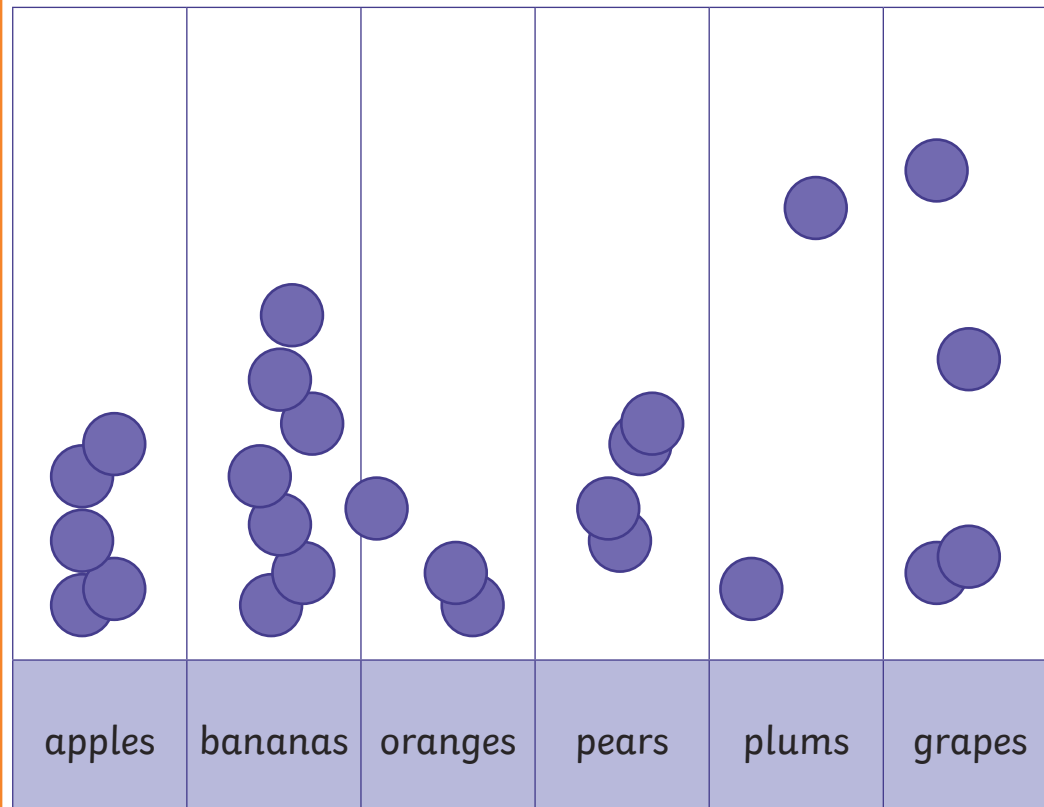
12 children chose bananas and oranges altogether.

Draw Pictograms (1-1)

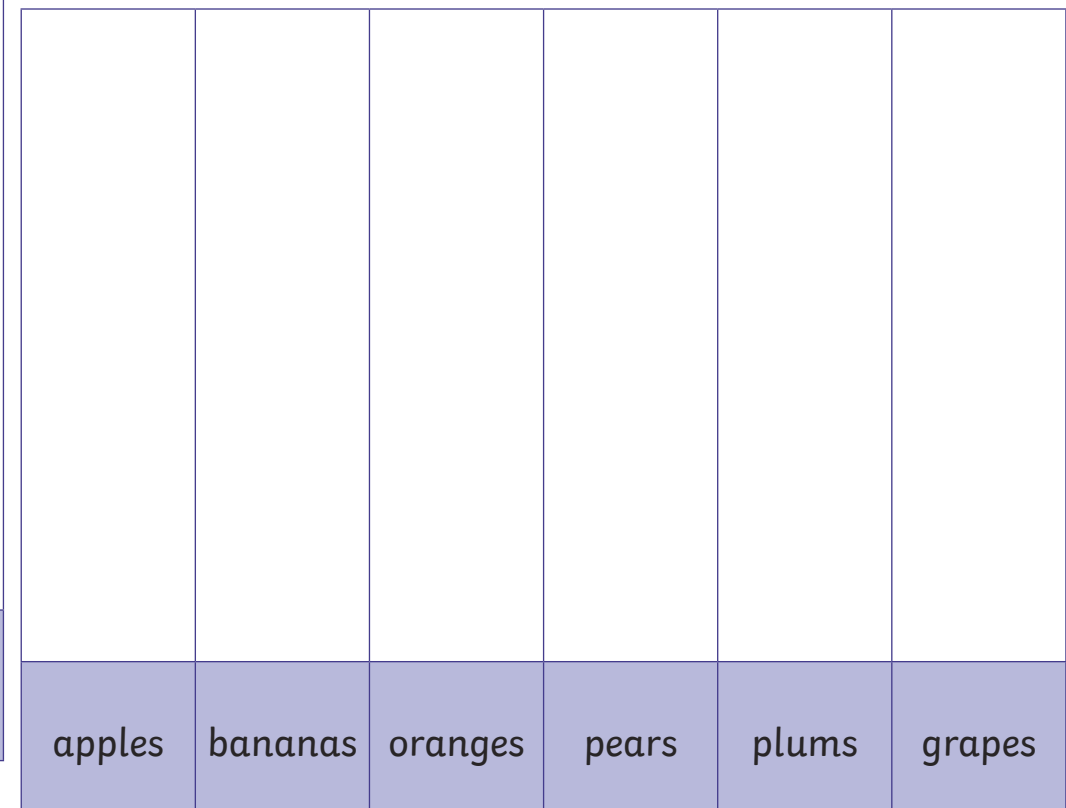


Each child from Class C put a counter on the pictogram to show their favourite fruit.

Why is this pictogram tricky to read?



Present the data in a pictogram that is clear to read. Choose a simple symbol and record it using the key at the bottom.



Key

= 1 child

What does the pictogram tell us?

Write 4 sentences about the data.

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children draw a vertical pictogram using given data. They recognise that the data given is not clear to read. Encourage children to choose a simple symbol that is quick and easy to draw. They should try to keep them all the same size and line them up carefully. They use the data to extract information.

What makes the first pictogram difficult to read?

How could you make a clearer pictogram?

What symbol will you use?

Why did you choose that?

Can you complete the key at the bottom?

How many symbols do you need to draw in each column?

Can you keep them the same size and line them up neatly?

How many symbols do you need to draw for each fruit?

What information can the pictogram tell us?