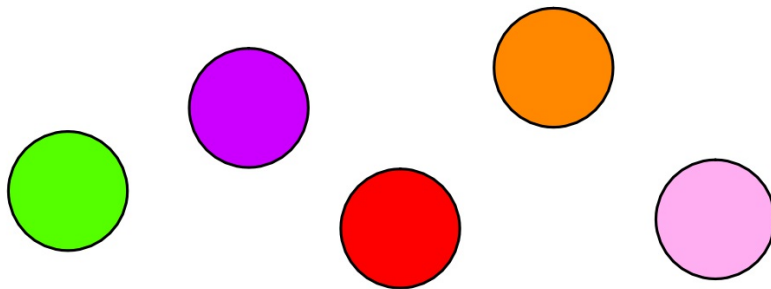


For this lesson, you might want to get yourself some counters or small objects.

If you haven't got any, you could make some out of paper.



8/2/21

Drawing Picture Graphs

Lesson
1

In Focus

Emma uses a tally chart to show the number of fruits in the baskets.

orange	###
pear	###
strawberry	### ###



How else can she show the number of each type of fruit?

Are you able to show the data from the tally chart using your counters?

Drawing Picture Graphs

Lesson 1

In Focus

Emma uses a tally chart to show the number of fruits in the baskets.

orange	###
pear	###
strawberry	### ###



I used one counter to represent each item on the tally chart.

How else can she show the number of each type of fruit?



Is this possible?

Drawing Picture Graphs

Lesson
1

In Focus

Emma uses a tally chart to show the number of fruits in the baskets.

orange	###
pear	###
strawberry	### ###



How else can she show the number of each type of fruit?

In what ways might we show that we are counting three different items?

Can we use different-coloured counters?

Can we arrange them in a graph or label them?

Explore this

Example 1

Let's Learn

- 1 Emma uses a table.


	oranges	pears	strawberries
number of fruits	8	6	10


You could count the items and write the number of each item in a table.

Example 2

- 2 She also uses a picture graph or a pictogram.

Number of Fruits in the Baskets

orange		
pear		
strawberry		

Each  stands for 1 fruit. Key

You could also create a horizontal picture graph.
You draw pictures to represent each item.

I could use 4
counters to
represent the
oranges.



Is this possible?




How would that work if there were 8 oranges?



I could use 4
counters to
represent the
oranges.

If 4 counters are used to represent the oranges, how many counters should be used for the pears and strawberries? Can this be presented in a graph?

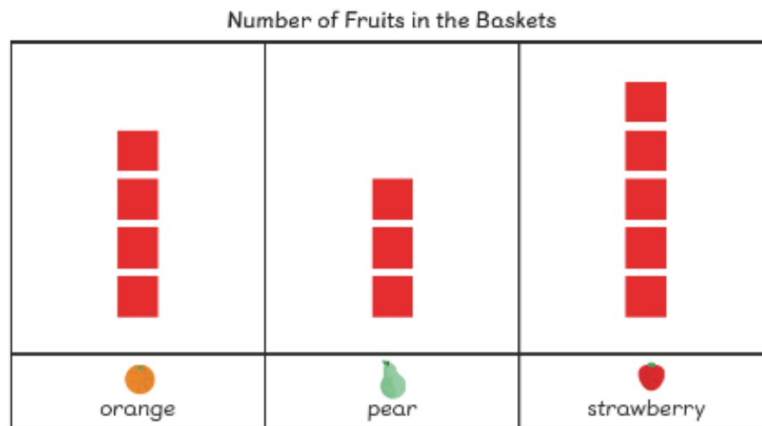
Number of Fruits in the Baskets

 orange	 pear	 strawberry

Have a go at representing this is a graph like this one. The pictures are vertical this time.

Example 3

- 3 She draws a different picture graph.



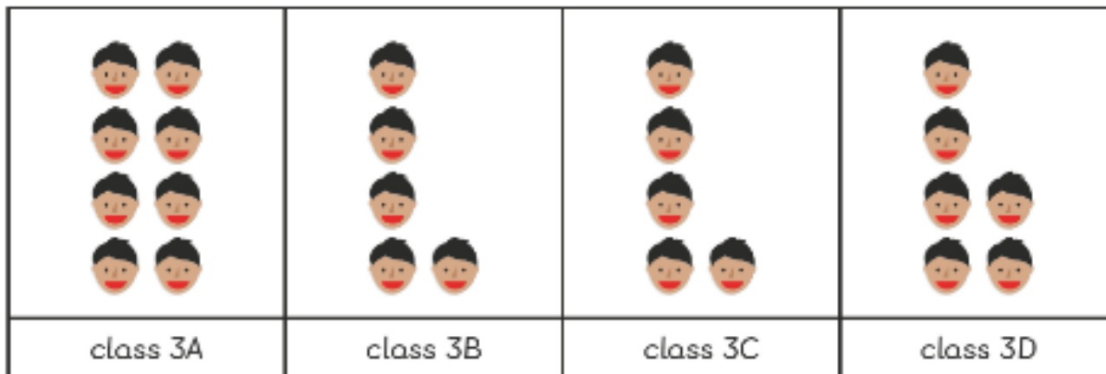
Each  stands for 2 fruits. Key

Notice how each picture this time stands for 2 fruits, not 1. We call this the key. It is important to always look at the key when we interpret graphs.

Guided Practice

The graph shows the number of pupils who joined the football club.

Number of Pupils in Football Club

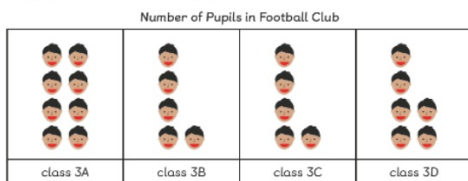


Each  stands for 1 pupil. Key

Use this data to complete the following...

Guided Practice

The graph shows the number of pupils who joined the football club.



Each  stands for 1 pupil. **Key**

(a) Complete the table.

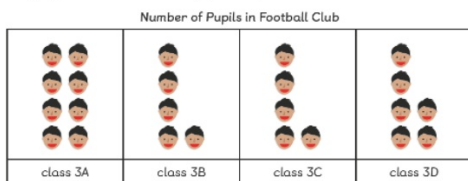
class	number of pupils in football club
3A	
3B	
3C	
3D	



Watch video clip "Explanation 1"

Guided Practice

The graph shows the number of pupils who joined the football club.



Each  stands for 1 pupil. **Key**

Watch video clip
"Explanation 2"



- (b) Draw another picture graph to show the number of pupils in each class who joined the football club.

Number of Pupils in Football Club

3A	
3B	
3C	
3D	

Each  stands for 2 pupils. **Key**

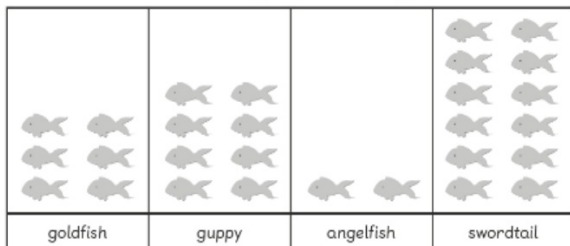
Complete the worksheets.


Worksheet 1

Drawing Picture Graphs

1 The picture graph shows the number of each type of fish in an aquarium.

Number of Each Type of Fish in an Aquarium



Each  stands for 1 fish.

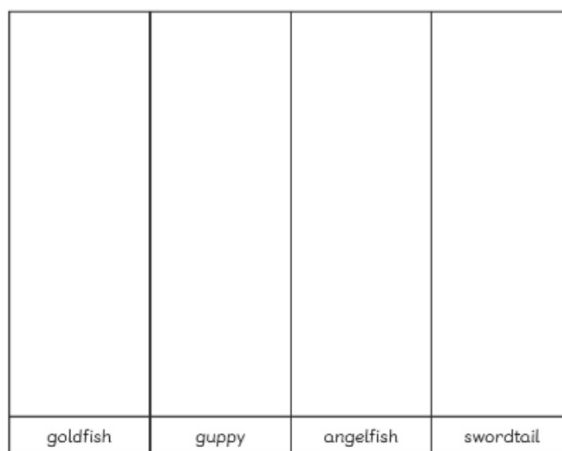
Key


(a) Look at the picture graph and complete the table below.

type of fish	number of fish
goldfish	
guppy	
angelfish	
swordtail	

(b) Draw another picture graph to show the same number of each type of fish in an aquarium.

Number of Fish in an Aquarium



Each  stands for 2 fish.

Key

(c) The largest group is .

(d) The smallest group is .

Next page

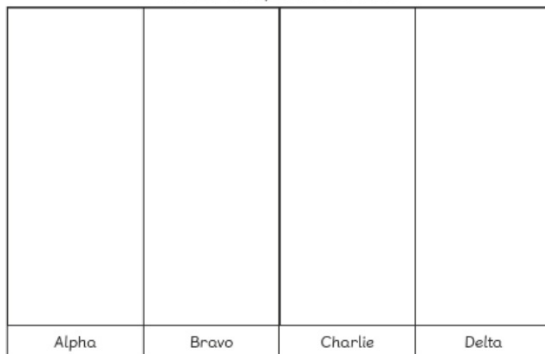
Complete the worksheets.

2 The table below shows the number of pupils in each team during a game.

team	number of pupils
Alpha	8
Bravo	10
Charlie	4
Delta	10

(a) Draw a picture graph to show the information given in the table.

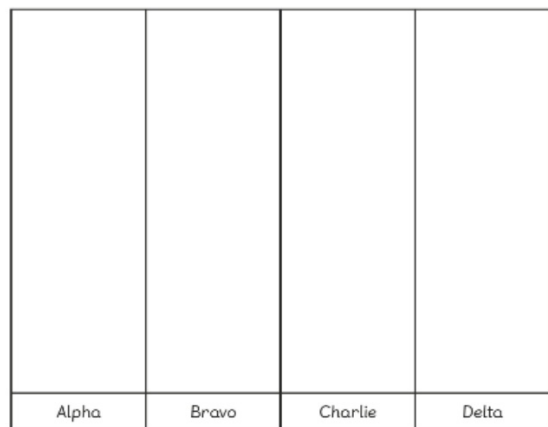
Number of Pupils in Each Team




Each  stands for 1 pupil. **Key**

(b) Draw another picture graph to show the same number of pupils in each team.

Number of Pupils in Each Team



Each  stands for pupils. **Key**

(c) There are as many pupils in team as there are in team .

Make up your own number for your key here.
Think carefully about what timestable you could use.