

Year 4 SUPPORT Maths

Remote learning

Week beginning

Monday 22nd

February 2021

This pack contains:

- Completed activity for teaching
- 5 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

Lesson 1 - Teaching

Can I understand and read Pictograms?

Starter: Can I count in 2s, 5s and 10s? Complete these sequences:

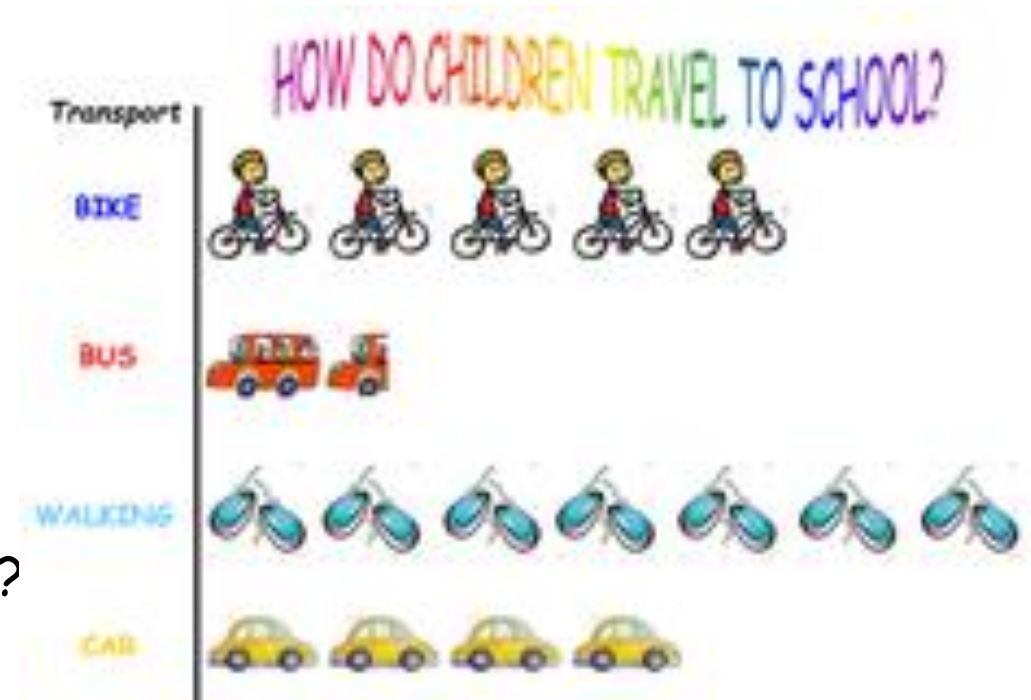
4, 6, 8, _____, _____, _____, _____
15, 20, 25, _____, _____, _____, _____
40, 50, 60, _____, _____, _____, _____

Answers
10, 12, 14, 16
30, 35, 40, 45
70, 80, 90, 100

Task:

Look at this example of a Pictogram then see if you can answer the questions.

1. How many children take the bus to school?
2. How many children walk to school?
3. How many children ride a bike to school?
4. What is the most popular way to travel to school?
5. What is the least popular way to travel to school?












Key: Each picture represents 2 children.

Answers: 1) 3 children, 2) 14 children, 3) 10 children
4) Walking, 5) Bus

Can I read Pictograms?

Lesson 1 - Activity

This Pictogram shows the number of smarties of each colour in a bag.

Colour	Number of Smarties
Green	
Orange	
Blue	
Pink	
Yellow	
Red	
Purple	
Brown	
	Key  = 2 smarties

Answer these questions:

1. How many green smarties are there? _____
2. How many brown smarties are there? _____
3. How many yellow and pink smarties are there? _____
4. How many purple and orange smarties are there? _____
5. Which colour is the most common colour of smartie in the bag? _____
6. Which colour is the least common colour of smartie in the bag? _____

Answers
1. 7
2. 3
3. $11 + 6 = 17$
4. $7 + 8 = 15$
5. Yellow
6. Brown

Lesson 2 - Teaching

Can I interpret Pictograms?

Starter: Can I count in 2s, 5s and 10s? Complete these sequences:

30, 28, 26, _____, _____, _____, _____

120, 110, 100, _____, _____, _____, _____

55, 50, 45, _____, _____, _____, _____

Answers:
24, 22, 20, 18
90, 80, 70, 60
40, 35, 30, 25

Task: Your task today is to read Pictograms to answer more tricky questions.

Either look at the example here or go to the my maths website for an interactive lesson with examples to try.

<https://app.mymaths.co.uk/6005-lesson/pictograms>

Login **elson** Password **prism**

How many more children liked yellow than pink?

Answer: $27 - 18 = 9$ children

How many fewer children liked blue than yellow?

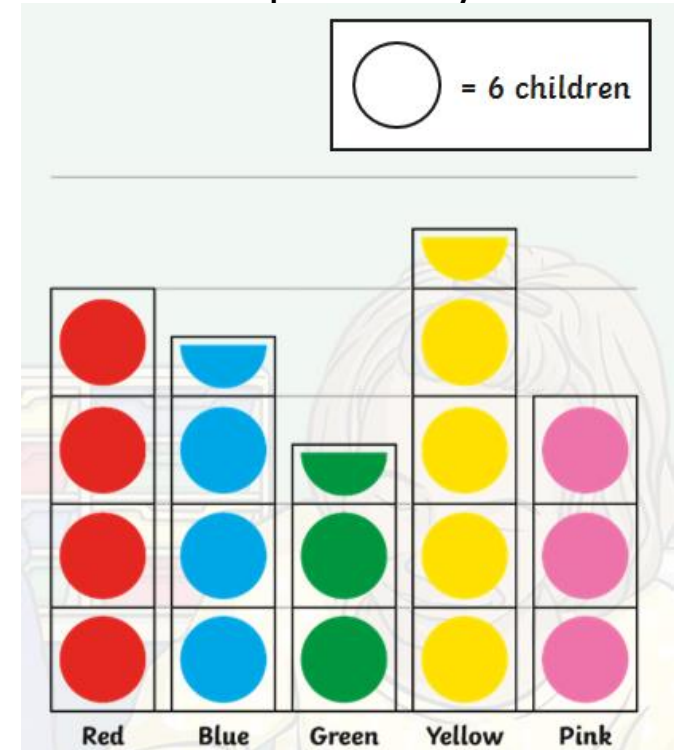
Answer: $27 - 21 = 6$ children

How many children voted **altogether**?

Answer: $24 + 21 + 15 + 27 + 18 = 105$ children


What is the difference between the number of votes for green and red?

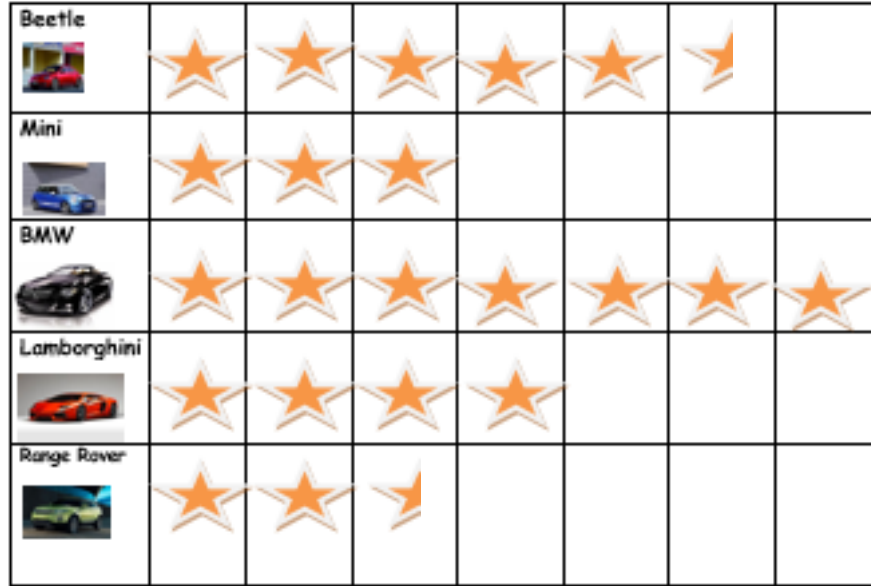
Answer: $24 - 15 = 9$ votes



Lesson 2 - Activity

Can I read and answer questions about a pictogram?

This pictogram shows which car a group of people would most like to have
to have  = 2 person



How many people would like to have a Beetle? _____

How many people would like to have a Lamborghini? _____

How many people would like a Range Rover or a BMW altogether? _____

Which is the most popular car? _____

Which is the least popular car? _____

How many more people would like a BMW than a Mini? _____

How many fewer people would like a Mini than a Beetle? _____

How many people were asked altogether? _____

- Answers
1. 11 people
 2. 8 people
 3. $14 + 5 = 19$ people
 4. BMW
 5. Range Rover
 6. $14 - 6 = 8$ people
 7. $11 - 6 = 5$ people
 8. $11 + 6 + 14 + 8 + 5 = 44$ people

Lesson 3 - Teaching Can I count tallies?

Starter: Can I recall the 5x table facts?

Either go on Times Tables Rockstars for 10 minutes or go to www.timestables.co.uk to practise your 5 x table facts.

Task: Today, you are going to count up tallies.
Look at this example:

Remember when you count the tally marks that

| = 1 and ~~||||~~ = 5

1		6	
2		7	
3		8	
4		9	
5	 	10	

Lesson 3 - Activity

Can I count tallies?

Count The Tally Marks
Count the tally marks and write the number.

##	5	##	
##		##	
## ##		## ##	
## ## ##			
		## ## ## ## ##	
## ## ##		## ##	
##		## ## ##	
## ##			
		## ## ## ##	
## ## ##		##	

Answers:
5 10 6 9 13 14 18 3 1 20 16 12 8 17 11 2 4 19 15 7

Lesson 4 - Teaching

Can I collect data?

Starter: Can I count in 5s and 10s?

Circle the numbers that would not be said if you counted in 5s or 10s:

13 40 100 95 11 21 56 75 30 15 27 55 63 19

Answers
13, 11, 21, 56, 27, 63, 19
All the other numbers end in 5 or 0

What do you notice about the numbers you have not circled?

Task:

You will be collecting your own data which you will present on a Pictogram in the next lesson.

What could your data be about?

If you have lots of people in your household bubble you could do a survey.

Example: Favourite pets? Favourite colours? Favourite food?

Another idea is to collect data if you go for a walk.

Example: Modes of transport? Colours of coats? Types of dogs?

Another idea is to do a survey of your toys.

Example: Colours of toy cars? Types of teddies/cuddly toys?

Use the table on the next page to record your categories, tallies and frequencies.

Lesson 4 - Activity

Can I collect data?

My data is about: _____

Categories	Tallies	Frequency (Count up the tallies to find <u>the total</u> for each category.)

Lesson 5 - Teaching

Can I present data on a Pictogram?

Starter: Can I count in 2s, 5s and 10s?

How many 2s, 5s and 10s make these numbers?

20 40 60 80 100

Answers
 $10 \times 2 = 20$, $4 \times 5 = 20$, $2 \times 10 = 20$
 $20 \times 2 = 40$, $8 \times 5 = 40$, $4 \times 10 = 40$
 $30 \times 2 = 60$, $12 \times 5 = 60$, $6 \times 10 = 60$
 $40 \times 2 = 80$, $16 \times 5 = 80$, $8 \times 10 = 80$
 $50 \times 2 = 100$, $20 \times 5 = 100$, $10 \times 10 = 100$

Task: You will be presenting your data on a Pictogram.

Don't worry if you didn't manage to collect any data yesterday as there is a set of data on page 12 which you could use instead.

Watch this video which explains how to draw a Pictogram then have a go at drawing a Pictogram for you own data.

<https://classroom.thenational.academy/lessons/constructing-pictograms-6rw6ar>

Remember to show your key clearly so that I know how many things each of your pictures represent.

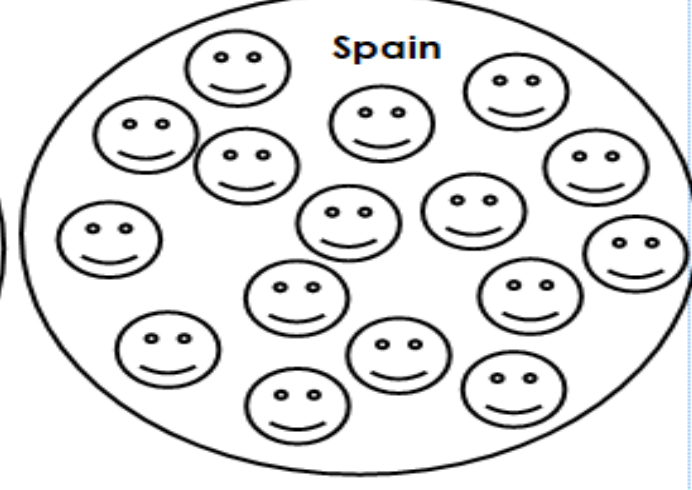
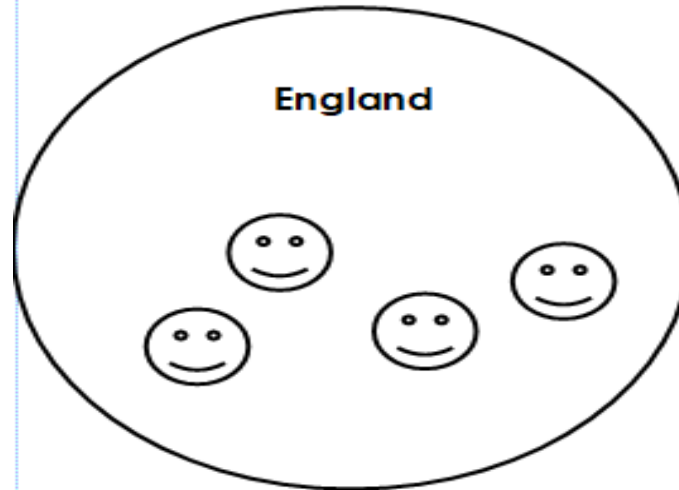
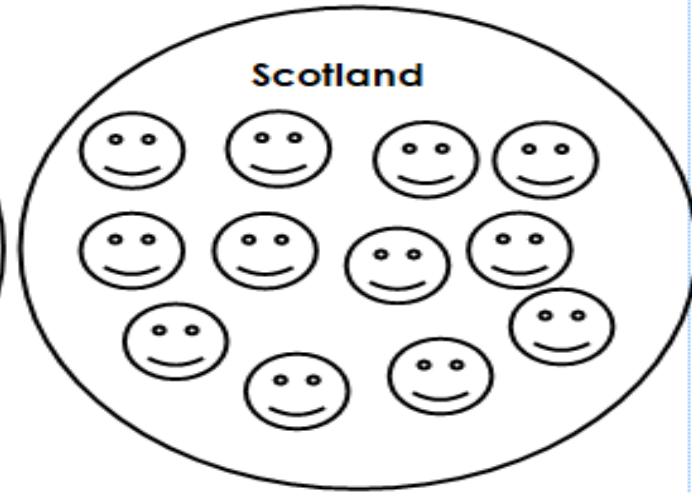
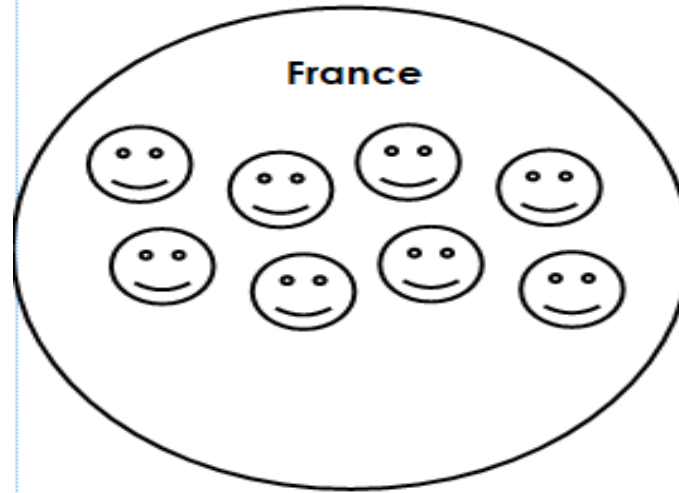
Lesson 5 - Activity

Can I present data on a Pictogram?

Choose one of these
Templates.

Oak Academy Task B

- This shows holiday choices.
- Here each face = 1.
- Turn this into a pictogram where one symbol = more than one



1. Rows or columns?
2. How many?
3. Decide on a scale (look for similarities with your numbers)