Varied Fluency Step 1: Interpret Charts

National Curriculum Objectives:

Mathematics Year 4: (4S1) Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs

Mathematics Year 4: (4S2) Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Differentiation:

Developing Questions to support interpreting charts, including pictograms, tables and bar charts with single digit correspondence. Solve single step questions.

Expected Questions to support interpreting charts, including pictograms, tally charts, tables and bar charts with 2:1 or 10:1 correspondence and multiple unit scales. Solve two step questions.

Greater Depth Questions to support interpreting charts, including pictograms, tally charts, tables and bar charts with any value of correspondence and multiple unit scales. Solve multi step questions.

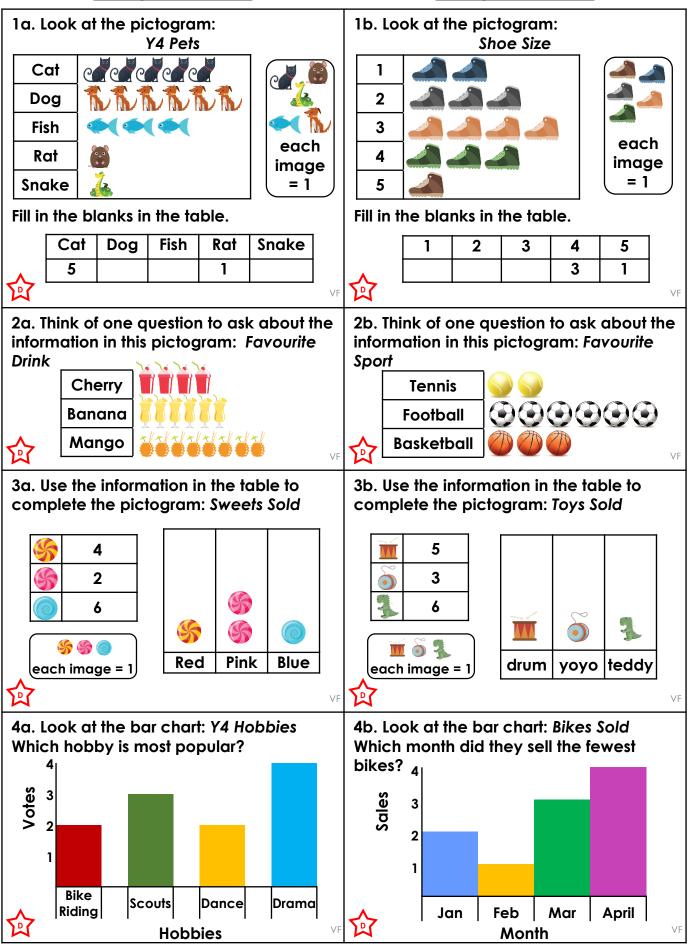
More Year 4 Statistics resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



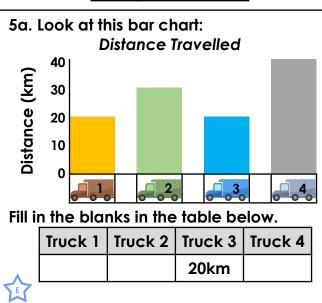
Interpret Charts

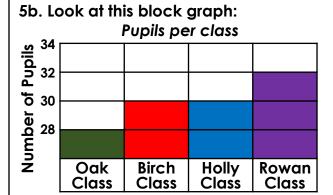
Interpret Charts



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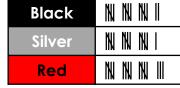
Fill in the blanks in the table below.

Oak	Birch	Holly	Rowan
	30		

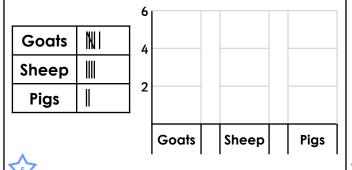


Cereal	NNI
Fruit & Yoghurt	N III
Toast	NI III

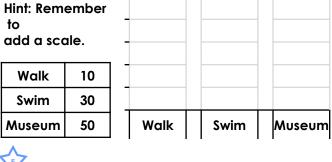
6b. Think of two questions to ask about the information in this tally chart: Car Colour

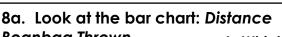


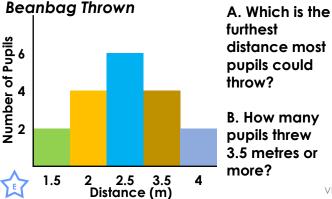
7a. Use the information in the table to create a bar chart: *Livestock*



7b. Use the information in the table to create a bar chart: *Holiday Activities*







8b. Look at the table: Vegetables Planted

	Jan	Feb	Mar
Onions	23	32	43
Garlic	36	15	13
Cabbage	12	8	4

A. How many garlic bulbs were planted in February?

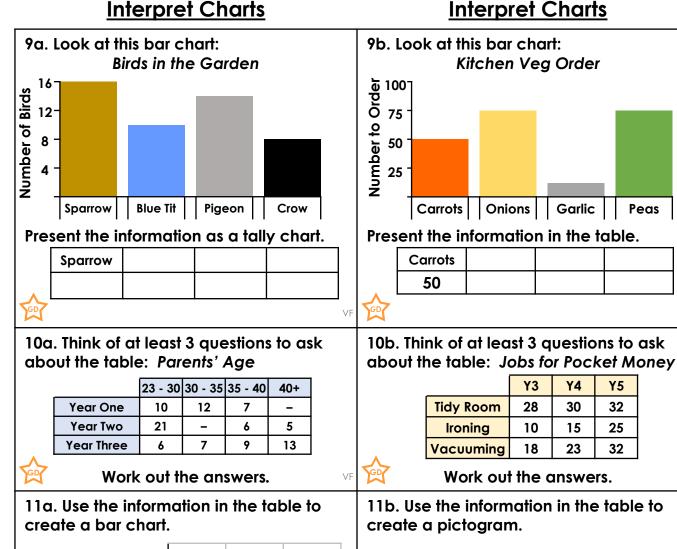
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B. In which month were the most vegetables planted?

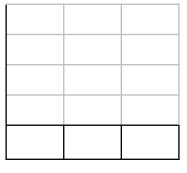
classroomsecrets.co.uk



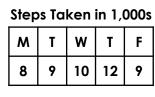
Interpret Charts

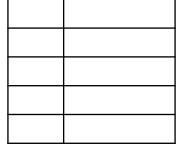


Money saved Feb Mar Jan £3 £9 £12

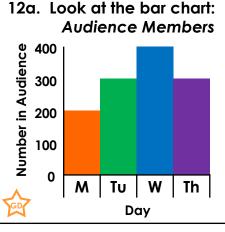


11b. Use the information in the table to





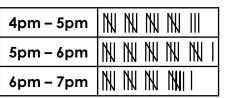




A. How many people were in the audience on Wednesday?

B. Which days had more than 250 people in the audience?

12b. Look at the tally chart: Votes Cast



A. How many people voted before 5pm?

B. How else could you present this information?





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Developing

1a. Dog – 6, fish – 3, snake – 1

2a. Various answers, for example: What is the value of each picture?

3a. red – 3 more images, blue – 5 more

images

4a. drama

Expected

5a. truck 1 – 20k, truck 2 – 30km, truck 4 – 40km

6a. Various answers, for example: How many people have toast for breakfast?

7a. goats – bar up to 6, sheep – bar up to

4, pigs – bar up to 2

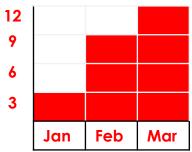
8a. A. 2.5m B. 6

Greater Depth

9a

Sparrow	Blue Tit	Pigeon	Crow
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10a. Various answers, for example: Which year group has the most parents over 30? 11a. Children's scales may vary which will impact on their answer.



12a. A. 400 B. Tuesday, Wednesday and Thursday

Developing

1b. Size 1 - 2, Size 2 - 3, Size 3 - 4

2b. Various answers, for example: Which is the most popular sport?

3b. drum – 4 more images, yoyo – 2 more images, teddy – 5 more images

4b. February

Expected

5b. oak - 28, holly - 30, rowan - 32

6b. Various answers, for example: How many more people have red cars than silver?

7b. Walk – bar up to 10, swim – bar up to

30, museum – bar up to 50

8b. A. 15 B. January.

Greater Depth

9b.

Carrots	Onions	Garlic	Peas
50	75	12	75

10b. Various answers, for example: How many children in Y3 iron for their pocket money?

11b. Children's picture choice and value may vary which will impact on their answer.1 image = 2 steps

Mon	4 images
Tues	4.5 images
Wed	5 images
Thurs	6 images
Fri	4.5 images

12b. A. 23 B. This information could also be presented in a bar chart or pictogram.