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.

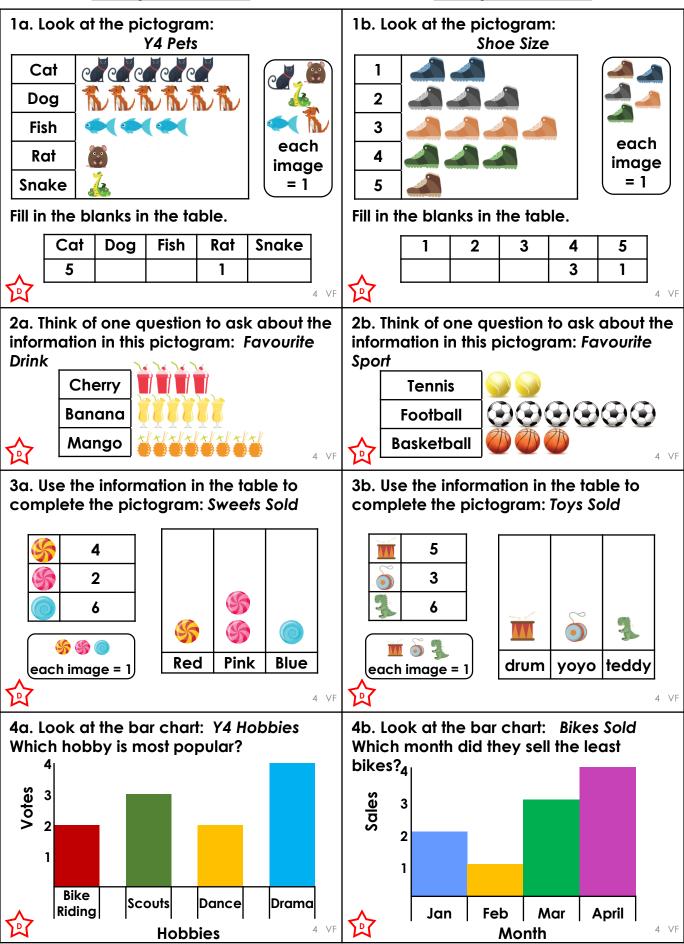
More Year 3 and Year 4 Statistics resources.

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



Interpret Charts

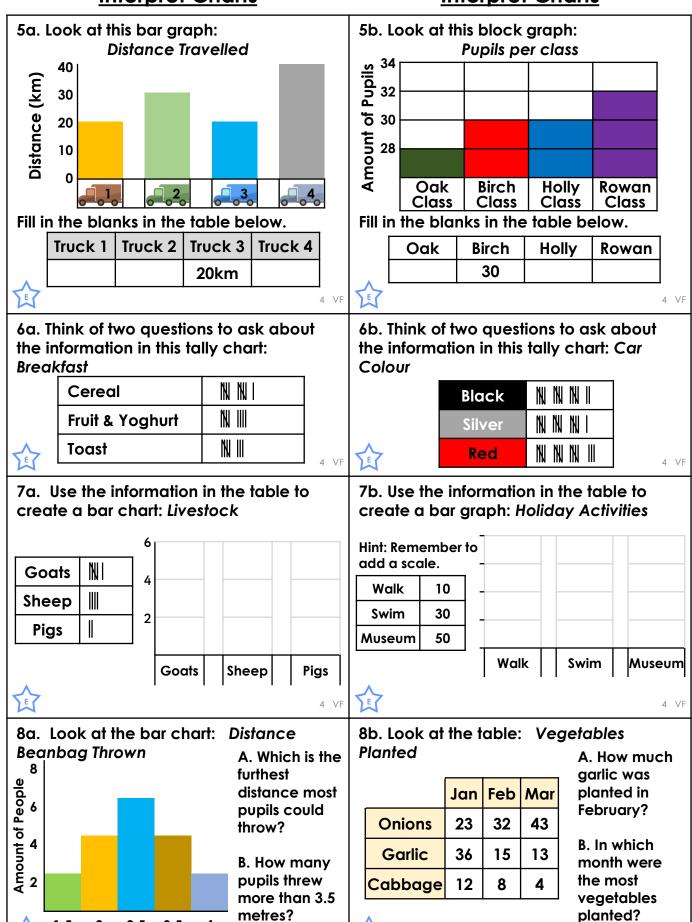
Interpret Charts





Interpret Charts

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4 VF

1.5

3.5

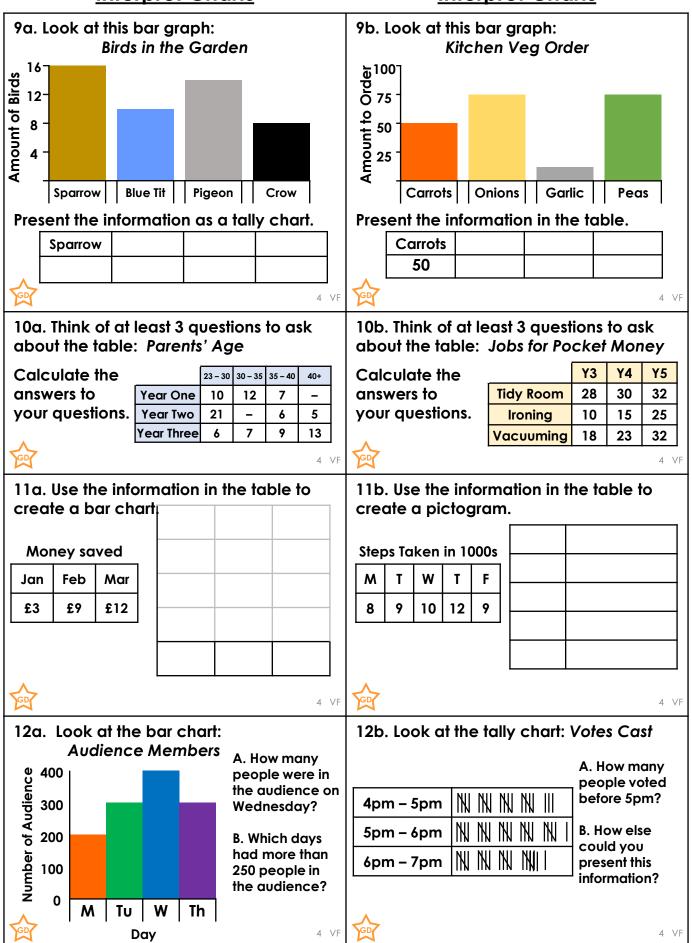
2.5

Distance (m)

4

Interpret Charts

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Varied Fluency Interpret Charts

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Developing

1a. Dog - 6, fish - 3, snake - 1

2a. Various answers, for example: How much is each picture worth?

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

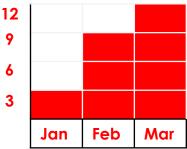
4, pigs – bar up to 2

8a. A. 2.5 m B. 6

<u>Greater Depth</u>

9a. sparrow – 16, blue tit – 10, pidgeon – 14, crow – 8

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. Monday B. 400 C. Tuesday, Wednesday and Thursday

Developing

1b. 1-2, 2-3, 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.

<u>Greater Depth</u>

9b. carrots – 50, onions – 75, garlic – 12, peas - 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.

Mon	4 images
Tues	4.5 images
Wed	6 images
Thurs	7 images
Fri	4.5 images

1 image = 2 steps

12b. A. 23 B. 5pm – 6pm C. This information could also be presented in a bar chart or pictogram.