

## Lesson 5 Can I solve problems with bar charts and pictograms?

RED

1 What is the favourite fruit? **banana**

2 How many children chose apples as their favourite fruit? **8**

3 How many more children chose bananas than grapes, as their favourite fruit? **8**

4 How many children chose apples or pears as their favourite fruit? **14**

5

**True. Only 2 pretzels were sold on Thursday and 6 pretzels were sold on Friday.**

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YELLOW

- 1 What is the most common pet? **cat**
- 2 How many pets are there in the class? **29**
- 3 How many more hamsters than rabbits are there? **3**
- 4 How many fewer dogs than cats are there? **3**
- 5

**No, Ian is incorrect because they saw 50 worms.**

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### GREEN

How many different kinds of pets do the class have between them?

Which bar was the easiest to identify?

Would it help to write down what you know?

Only one child has a parrot at home, so the green bar must be **parrots**.

Fish+gerbils=dogs and if you try all the possibilities it must be the red bar for **dogs**, and the blue and yellow bars for fish and gerbils (but we don't know which way round yet).

There are two less cats than dogs, so the purple bar must be for **cats** (because we know how many dogs there are now).

So the orange bar must be for **hamsters** (because all the rest have been matched up, even though we don't know which way round blue and yellow are yet).

There are twice as many fish as hamsters, so the yellow bar must be for **fish**. So the blue bar must be for **gerbils**.

There are half the number of gerbils as there are cats