

ANSWERS

Task 1

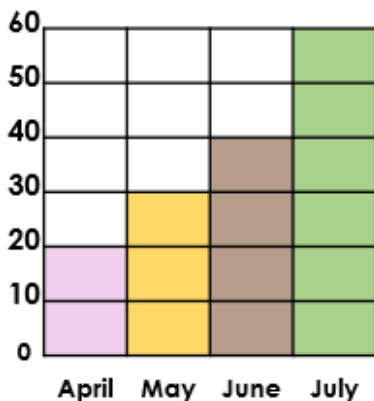
Practice

1. Use the block graph to help you answer the questions about colours.



- a) Which colour did most children like best? **Red = 25**
- b) How many fewer children liked pink than green? **$20 - 15 = 5$**
- c) How many children liked pink and blue altogether? **$15 + 10 = 25$**

2. Use the block graph to help you answer the questions about ice-creams.

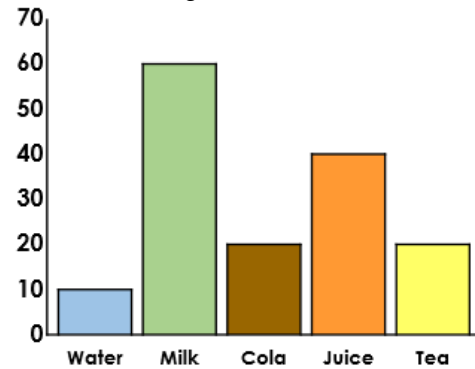


- a) In total, how many ice-creams were sold in May and June? **$30 + 40 = 70$**
- b) How many more ice-creams were sold in July than in April? **$60 - 20 = 40$**
- c) In which month were least ice-creams sold? **April = 20**

Task 2

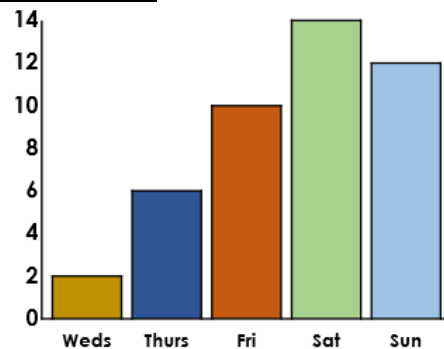
Practice

1. Use this bar chart to answer the questions about favourite drinks.



- A. How many children like cola? **20**
- B. How many more children like milk than juice? **$60 - 40 = 20$**
- C. How many children liked water and tea altogether? **$10 + 20 = 30$**
- D. How many children were asked in total? **$10 + 60 + 20 + 40 + 20 = 150$**

2. Use this bar chart to answer the questions about the number of diners in a restaurant.



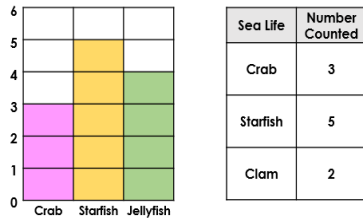
- A. How many diners were there on Thursday? **6**
- B. How many fewer diners were there on Wednesday compared to Sunday? **$12 - 2 = 10$**
- C. How many diners were there at the weekend? **$14 + 12 = 26$**
- D. How many diners were there in total? **$2 + 6 + 10 + 14 + 12 = 44$**

Task 3

Reasoning

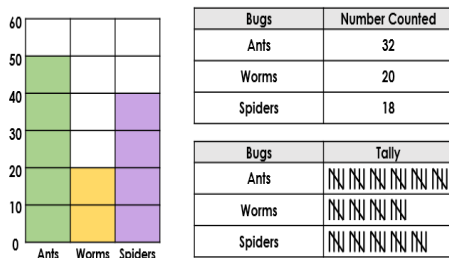
Explain your answers.

1. Look at the two sets of data below. What is the same? What is different?



3b. Various answers, for example: Same → Both sets of data show 3 crabs and 5 starfish. Different → The block diagram shows 4 jellyfish but the pictogram shows only 2 clams.

2. Look at the three sets of data below. What is the same? What is different?



6a. Various answers, for example: Same → All charts show 20 worms. Different → All charts show a different amount of spiders.

8a. Blake draws a bar chart to show the fruit sold by Year 3.



Blake says,

We sold 15 apples.

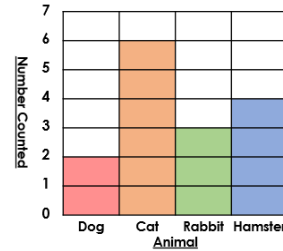
Is he correct? Explain your answer.

8a. No, the chart shows that they have sold 17.5 apples.

Task 4

Problem solving

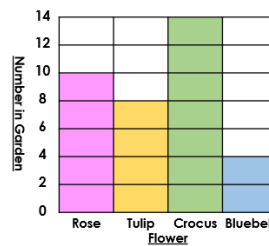
4. Use the sentence stems to create two questions about the data below.



A. In total, how many...
B. How many more...

1b. Various answers, for example: A. In total, how many rabbits and hamsters are there?; B. How many more cats are there than dogs?

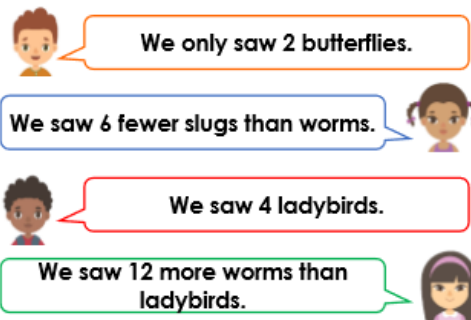
5. Use the sentence stems to create three questions about the data below.



A. In total, how many...
B. How many fewer...
C. How many more...

4a. Various answers, for example: A. In total, how many roses and tulips are there?; B. How many fewer bluebells are there than roses? C – How many more roses are there than tulips?

6b. A class collects data about insects.



We only saw 2 butterflies.

We saw 6 fewer slugs than worms.

We saw 4 ladybirds.

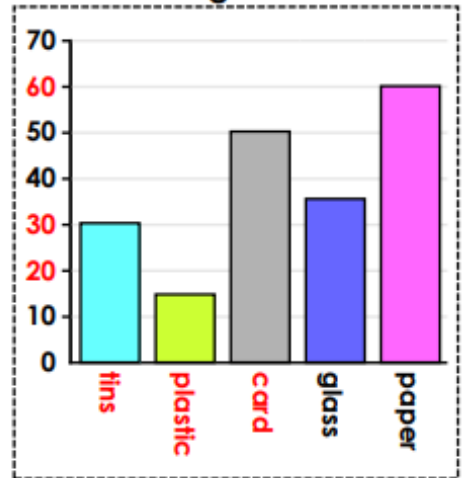
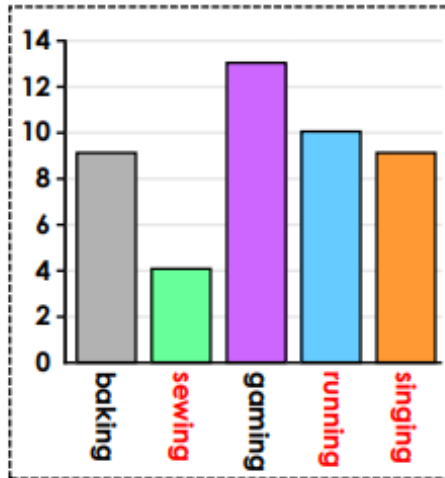
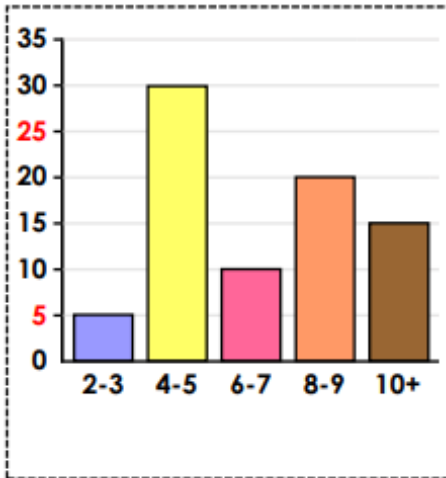
We saw 12 more worms than ladybirds.

Draw a bar chart to display this information. Choose a suitable scale.

6b. An accurate bar chart. The scale should have intervals of 2.

Challenge

1. All three bar charts below have some missing information. Sort the cards below so that each bar chart has at least two cards which describes what is being shown.



The total number of children surveyed was a multiple of 5.

The largest value is a multiple of 3.

Two categories in this bar chart have an identical value.

A bar chart to show items that have been recycled.

This bar chart has two odd and three even values.

A bar chart to show the length of adults' first names.

A bar chart to show children's favourite hobbies.

The smallest value used in this graph has an even digit sum.

Various answers. One example of how the cards could be sorted is shown above.

