

Pet survey

Comprehension questions

ANSWERS

25B

1. Is Sarah correct?
 - a. Yes, the same number of children in each class have a cat.
 - b. No, more children own a cat in class 6W than in 6D.
 - c. No, more children own a cat in class 6D than in 6W.
2. Do more children own a hamster or a rabbit in class 6D?
 - a. More children own a hamster than a rabbit.
 - b. More children own a rabbit than a hamster.
 - c. The same number of children own a rabbit as own a hamster.
3. How many children in 6W have a dog?
 - a. 4
 - b. 9
 - c. 90
4. What should the correct angle for 'rabbit' be in the 6W pie chart?
 - a. 16°
 - b. 22.5°
 - c. 25°
5. What should the correct angle for 'hamster' be in the pie chart for 6W?
 - a. 22.5°
 - b. 45°
 - c. 67.5°
6. The angle for 'dog' in the 6D pie chart is 108° . How many children own dogs in 6D?
 - a. 4
 - b. 6
 - c. 8

Mean times

Comprehension questions

ANSWERS

26B

1. What was the mean of Penny's times for the 100 m?
 - a. 13.45 seconds
 - b. 13.5 seconds
 - c. 13.6 seconds
2. What was the mean of Louise's times for the 100 m?
 - a. 13.1 seconds
 - b. 13.2 seconds
 - c. 13.3 seconds
3. What was the mean of Rachel's times for the 100 m?
 - a. 13.42 seconds
 - b. 13.44 seconds
 - c. 13.46 seconds
4. Which of these might have been Dawn's other time?
 - a. 13.2 seconds
 - b. 13.3 seconds
 - c. 13.4 seconds
5. What could Marianne's other times have been?
 - a. 12.9 seconds and 13 seconds
 - b. 13 seconds and 13.9 seconds
 - c. 13.9 seconds and 14 seconds
6. Which set could have been Carrie's times from five races? (All the times are in seconds.)
 - a. 12.4, 12.5, 12.5, 12.8, 12.9
 - b. 12.5, 12.5, 12.8, 12.9, 13
 - c. 12.5, 12.6, 12.6, 12.8, 13

Going swimmingly

Comprehension questions

ANSWERS

4

1. Was Kai correct?
 - a. Yes, 49 children took part.
 - b. No, 45 children took part.
 - c. No, 42 children took part.
2. Was Joy correct?
 - a. Yes, most children swam more than 10 lengths.
 - b. No, most children swam more than 20 lengths.
 - c. No, most children swam more than 25 lengths.
3. Was David correct?
 - a. Yes, more children swam more than 15 lengths.
 - b. No, fewer children swam more than 15 lengths.
 - c. No, the number of children was equal.
4. Which group includes Joy's swim?
 - a. 6–10
 - b. 11–15
 - c. 16–20
5. Which group includes David's swim?
 - a. 16–20
 - b. 21–25
 - c. 26–30
6. Which group includes Kai's swim?
 - a. 16–20
 - b. 21–25
 - c. 26–30

Potato pie

Comprehension questions

ANSWERS

45B

1. How many customers chose 'bubble and squeak'?
 - a. 60
 - b. 50
 - c. 10
2. What fraction of the customers chose chips as their favourite?
 - a. $\frac{3}{10}$
 - b. $\frac{3}{5}$
 - c. $\frac{3}{2}$
3. What angle did Patricia draw for 'mash' on her pie chart?
 - a. 4°
 - b. 12°
 - c. 24°
4. What angle did Patricia draw for 'roast' on her pie chart?
 - a. 108°
 - b. 100°
 - c. 48°
5. What proportion of the customers chose 'boiled'?
 - a. $\frac{1}{30}$
 - b. $\frac{1}{50}$
 - c. $\frac{1}{60}$
6. What percentage of the pie chart is 'chips'?
 - a. 18%
 - b. 60%
 - c. 7%

- If Lee had saved a mean of £12 in 4 months, how much would he have had in total?
 - £12
 - £24
 - £48
- How much money does the dotted line show?
 - £8
 - £9
 - £10
- Looking at the chart, why was Lee not correct?
 - The dotted line is too high to be the mean.
 - The dotted line is lower than the tops of all the bars.
 - The dotted line should be higher than all the bars.
- If Grandma doubles Lee's money, how much would he have in total?
 - £54
 - £108
 - £162
- What is the mean of the money that Lee saved?
 - £12.50
 - £13.50
 - £14.50
- In January, Lee saved more money. The mean was then £14. How much did he save?
 - £16
 - £15
 - £14