Name:

Exam Style Questions

Dual Bar Charts

Corbettmaths

Equipment needed: Ruler, pencil, calculator and pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

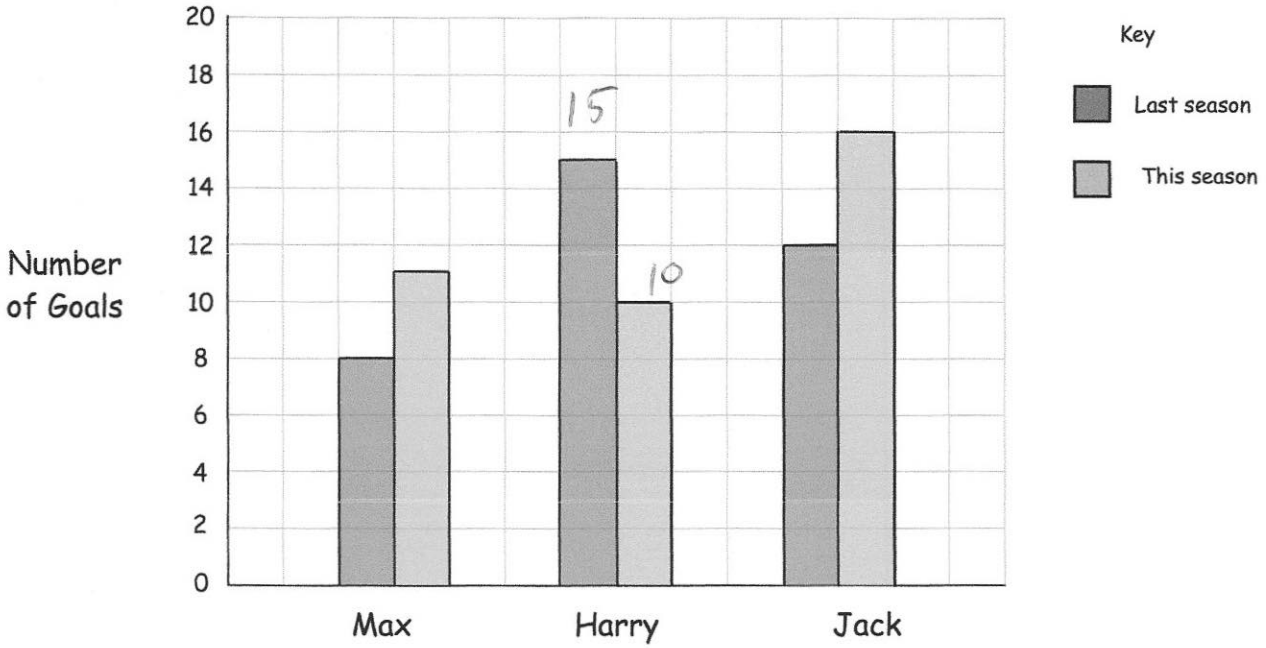
Video Tutorial

www.corbettmaths.com/contents

Video 148b

Answers and Video Solutions

1. The dual bar chart shows the number of goals scored by Max, Harry and Jack, last season and this season.



(a) How many goals did Jack score last season?

12

.....

(1)

(b) How many goals has Max scored this season?

11

.....

(1)

(c) How many less goals has Harry scored this season than last season?

15 - 10

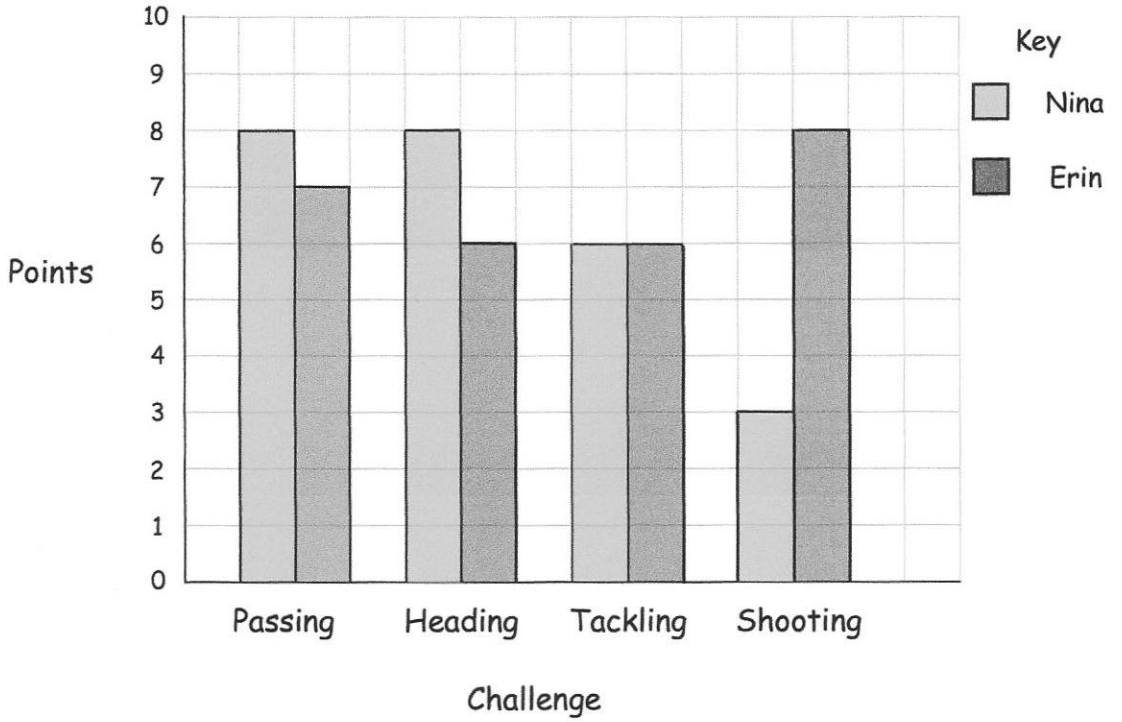
5

.....

(1)

2. A coach sets two footballers, Nina and Erin, four challenges.

The coach draws the following dual bar chart to score the number of points scored by each footballer in the challenges.



(a) Write down the number of points Erin scored in the passing challenge.

7

(1)

(b) In which challenge did both footballers score the same number of points?

Tackling

(1)

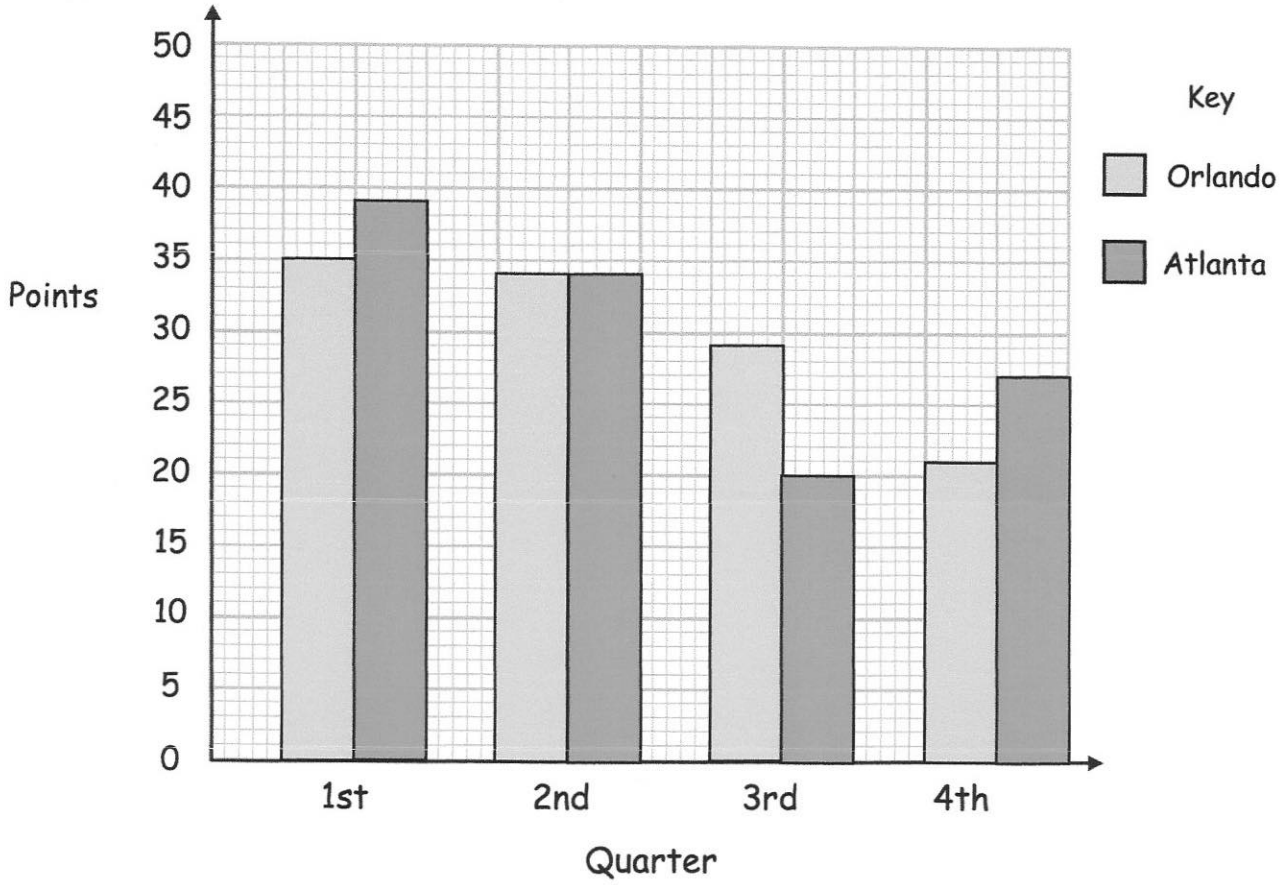
(c) Work out the total number of points scored by Nina in the challenges.

$8 + 8 + 6 + 3$

25

(2)

3. This bar chart shows the number of points scored in each quarter during a basketball match between Orlando and Atlanta.



(a) In which quarter did both teams score the same number of points?

2nd

(1)

(b) Which team won the match and by how many points?

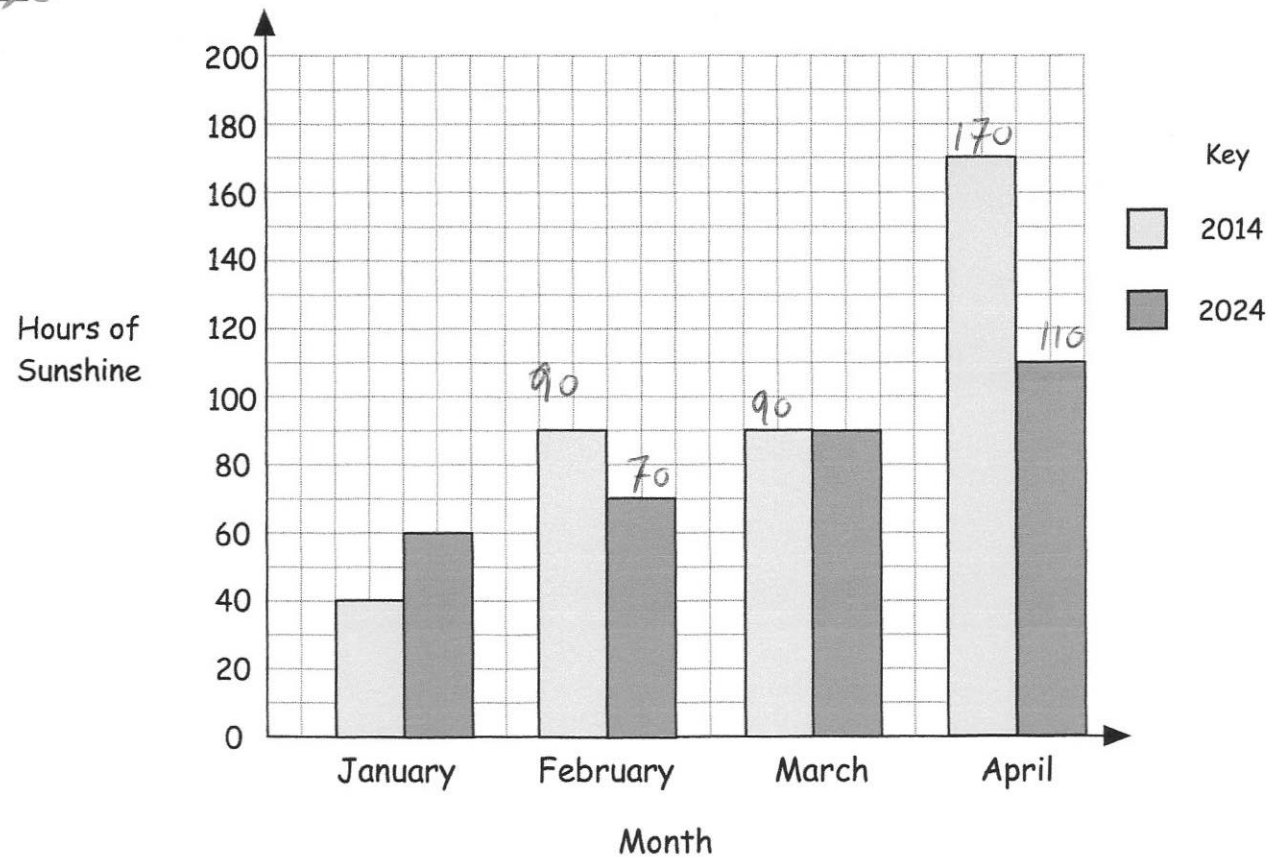
Orlando : 35 + 34 + 29 + 21 = 119

Atlanta : 39 + 34 + 20 + 27 = 120

Winning team Atlanta by 1 points

(3)

4. The dual bar chart shows the total hours of sunshine in a city, over four months, in 2014 and 2024.



(a) How many more hours of sunshine were there in February 2014 than February 2024?

90 - 70

20 hours

(2)

(b) How many more hours of sunshine were there in April 2014 than March 2014?

170 - 90

80 hours

(2)

There were twice as many hours of sunshine in May 2024 than April 2024.

(c) How many hours of sunshine were there in May 2024?

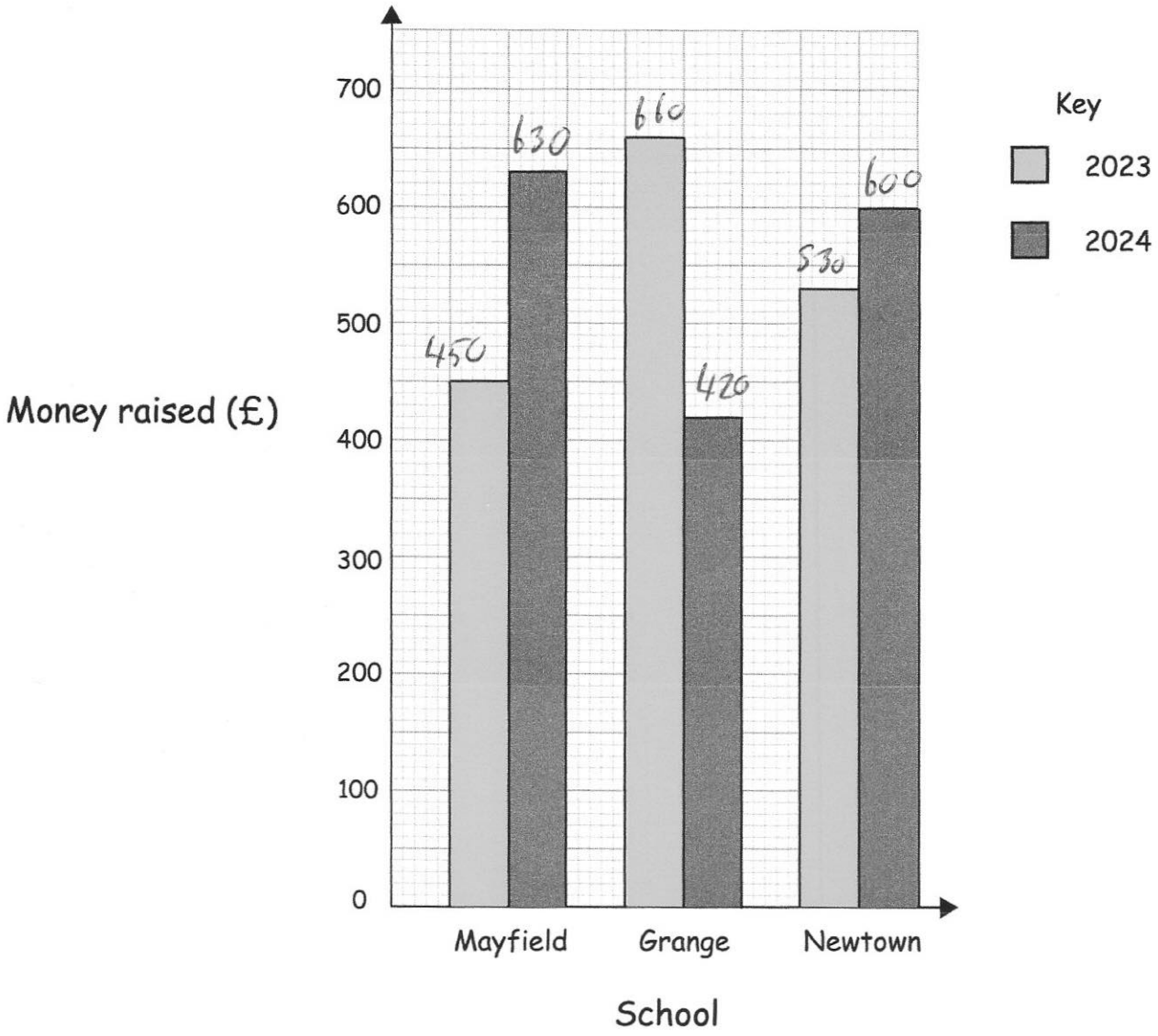
April 2024: 110 hours

110 x 2 = 220

220 hours

(2)

5. Three schools raise money for a local charity.
The dual bar chart shows how much each school raised in 2023 and 2024.



Yasmin says that more money was raised for the charity in 2023 than 2024.

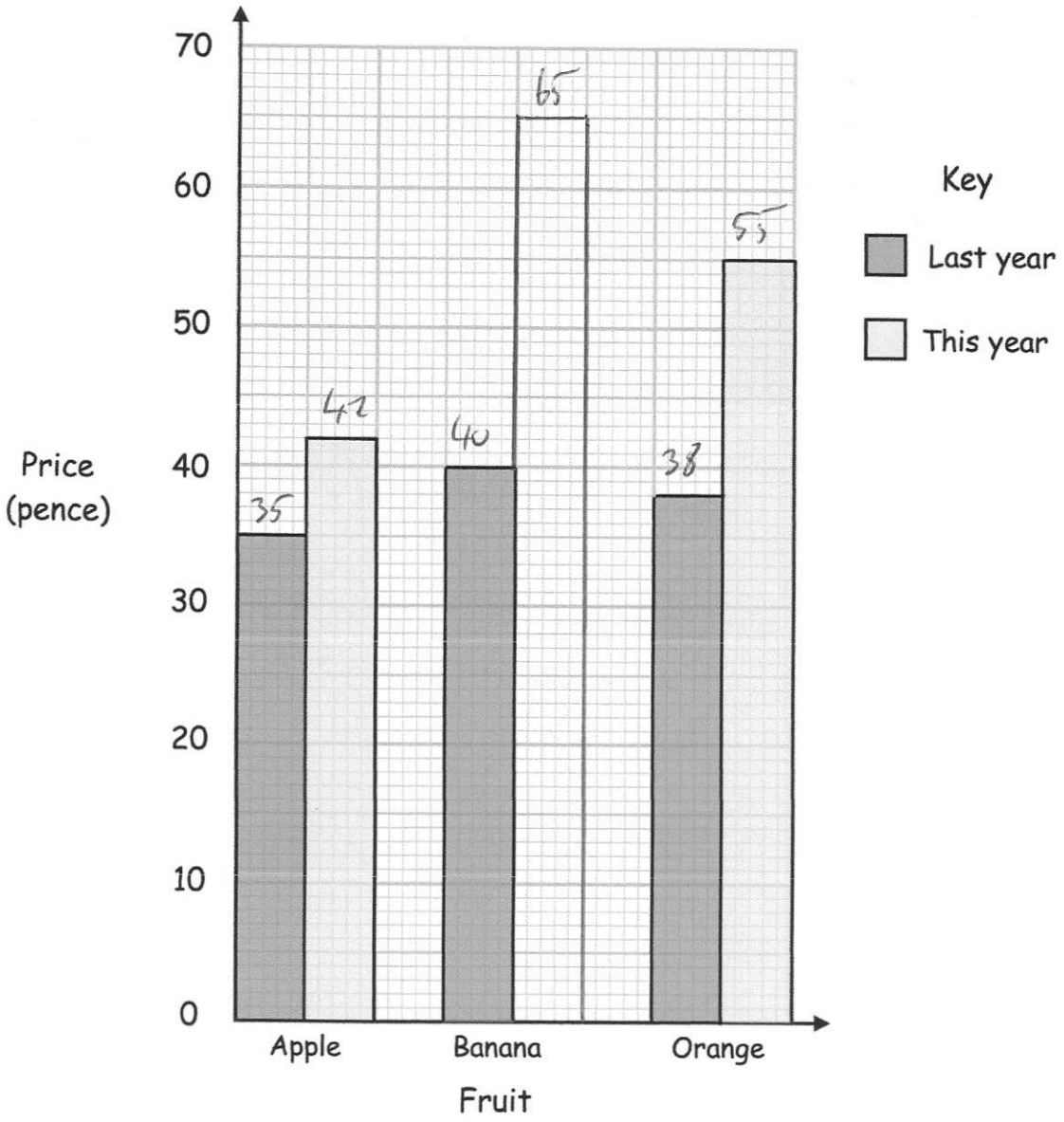
Is Yasmin correct?
Explain your answer.

2023 : 450 + 660 + 530 = £1640
2024 : 630 + 420 + 600 = £1650

No, more was raised in 2024 than 2023.

(3)

6. The dual bar chart shows the price of fruit in a shop last year and this year.



A banana costs 25p more this year than last year.

(a) Show this information on the dual bar chart.

$40 + 25 = 65$ p

(1)

(b) Work out how much more an orange costs this year than last year.

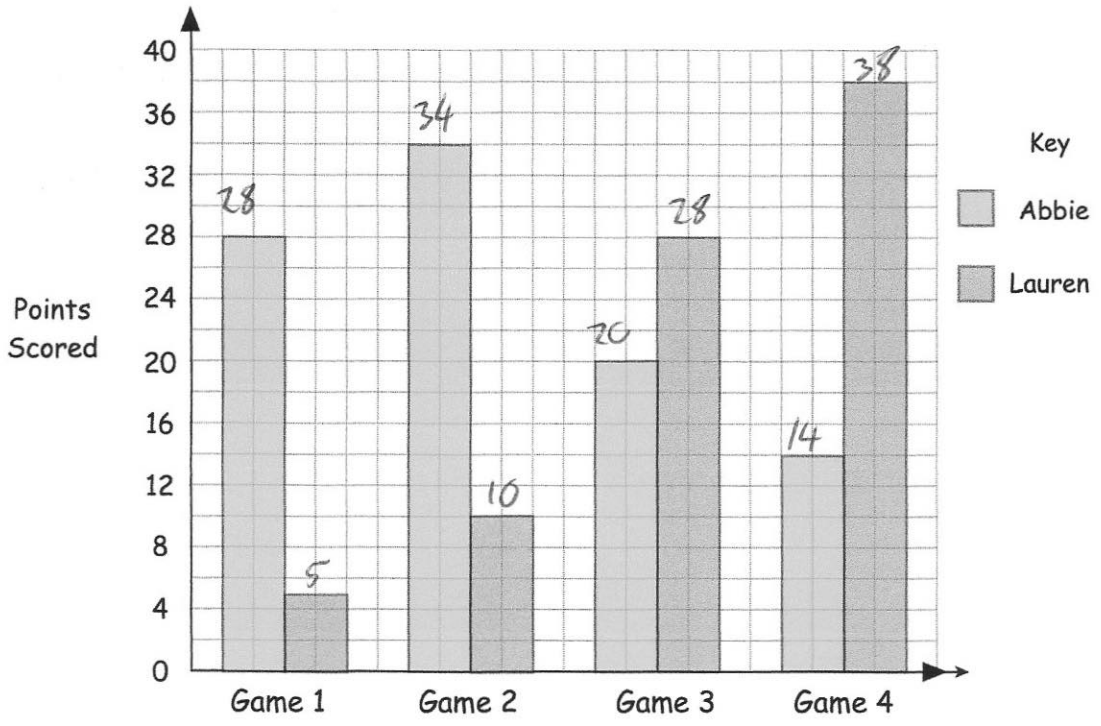
$55 - 38 = 17$

17

.....p

(2)

7. The dual bar chart shows the number of points Abbie and Lauren score when they play a game 4 times.



(a) Work out the mean number of points scored by Abbie.

$28 + 34 + 20 + 14 = 96$

$96 \div 4 = 24$

24

.....

(3)

(b) Work out the median number of points scored by Lauren.

~~5~~ 10 | 28 ~~38~~

19

19

.....

(2)

(c) Work out the range of the number of points scored by Lauren

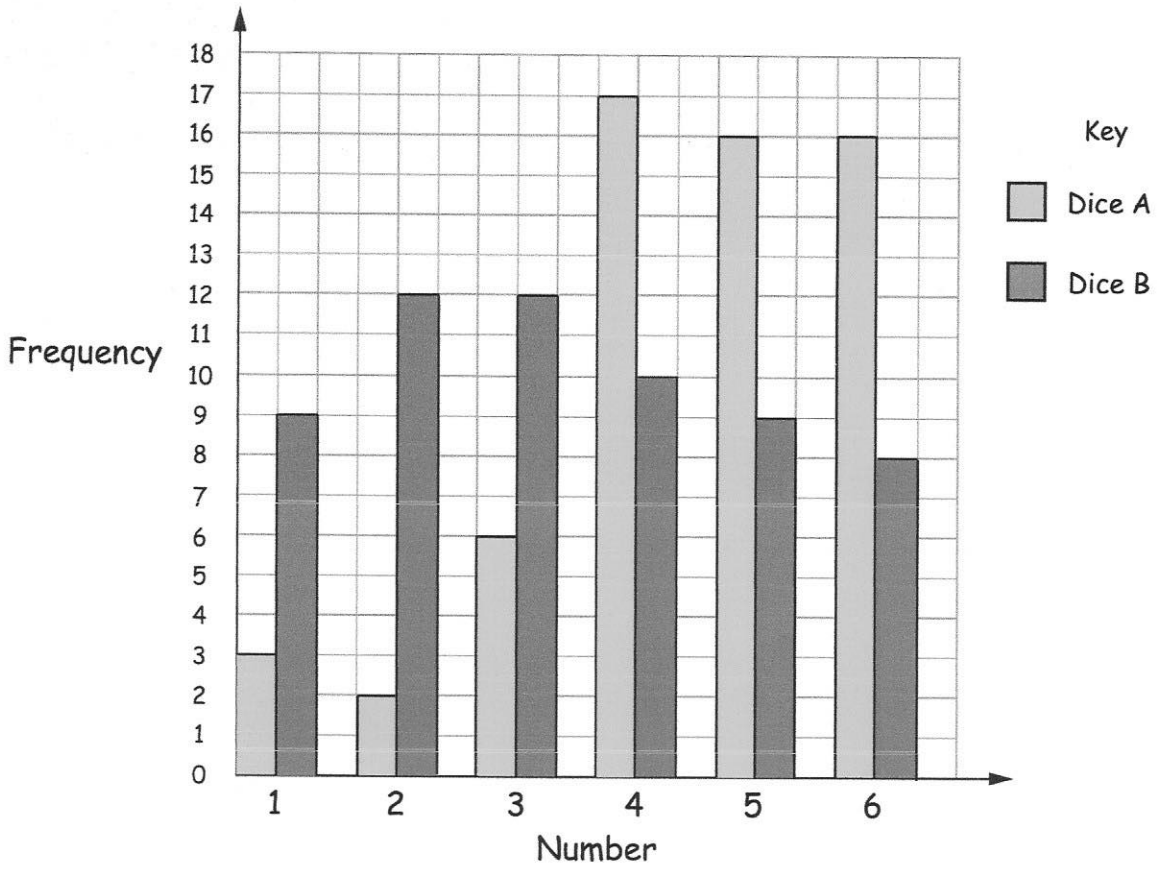
$38 - 5 = 33$

33

.....

(2)

8. Sharon has two dice, A and B.
She rolls each dice 60 times and records the results in this dual bar chart.



Sharon says that dice A is biased.

(a) Do you agree that dice A is biased?
Explain your answer.

Yes, the smaller numbers (1, 2 and 3) only appear 11 times, whereas the larger numbers appear 49 times. You would expect approximately 30 for each. **(1)**

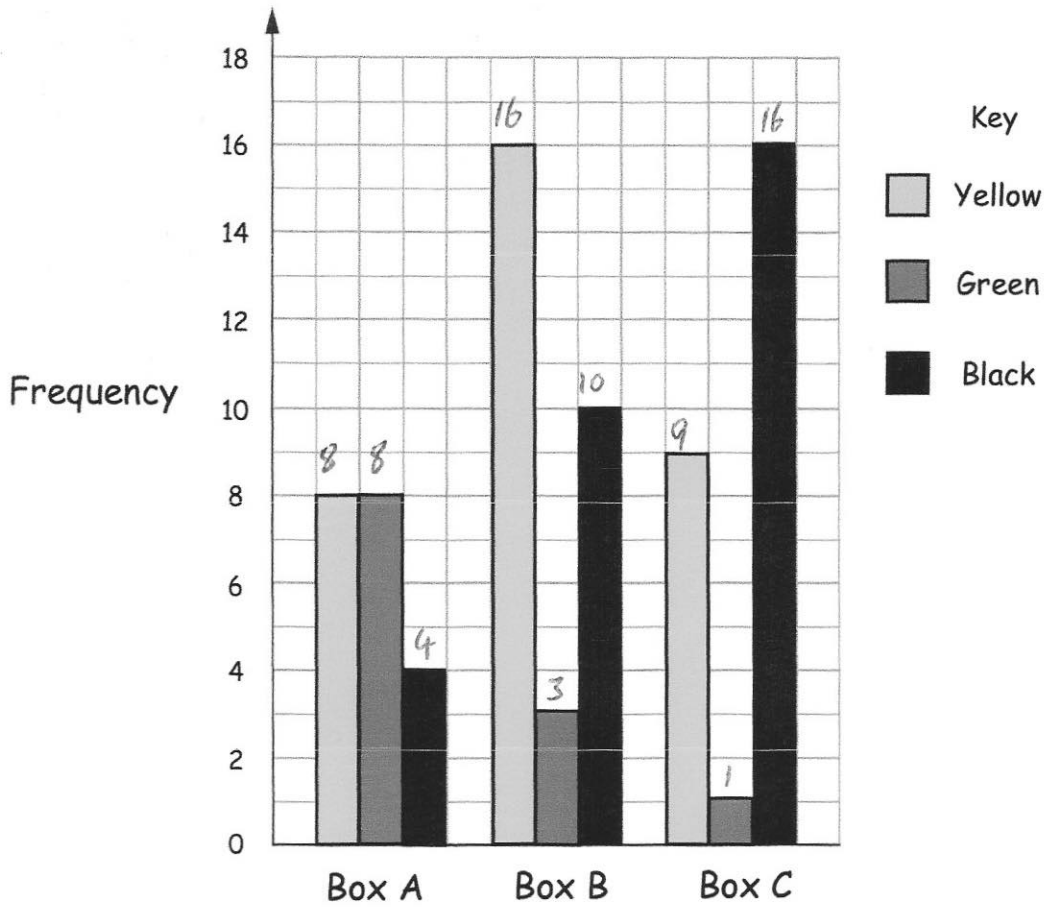
Sharon says that dice B is also biased as each number must appear 10 times.

(b) Do you agree that dice B is biased?
Explain your answer.

No, although they "should" appear 10 times each, the actual results are pretty close (9, 12, 12, 10, 9, 8) **(1)**

9. Boxes A, B and C contain yellow, green and black counters.

The bar chart shows information about the counters in each box.



All the counters from boxes A, B and C are poured into box D.

For box D, find the number of black counters : the number of green counters.

black counters

$4 + 10 + 16 = 30$

yellow counters

$8 + 16 + 9 = 33$

green counters

$8 + 3 + 1 = 12$

$30 : 12$

$15 : 6$

$5 : 2$

$5 : 2$

.....

(4)