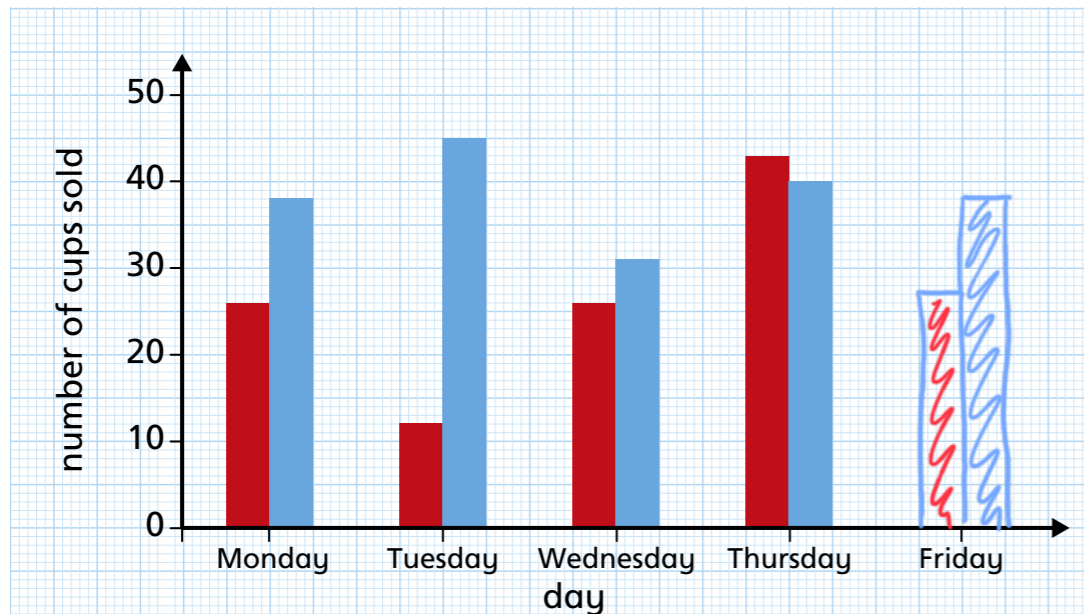# Draw and interpret multiple bar charts

1 The bar chart shows the number of cups of tea and coffee sold in a shop over four days.

■ Tea   ■ Coffee

a) How many cups of tea were sold on Tuesday? `12`

b) How many cups of coffee were sold on Monday? `38`

c) On which day were more cups of tea than coffee sold? <u>Thursday</u>

How do you know without working it out?

d) The owner says that she sold twice as many cups of coffee in total from Monday to Thursday than cups of tea.
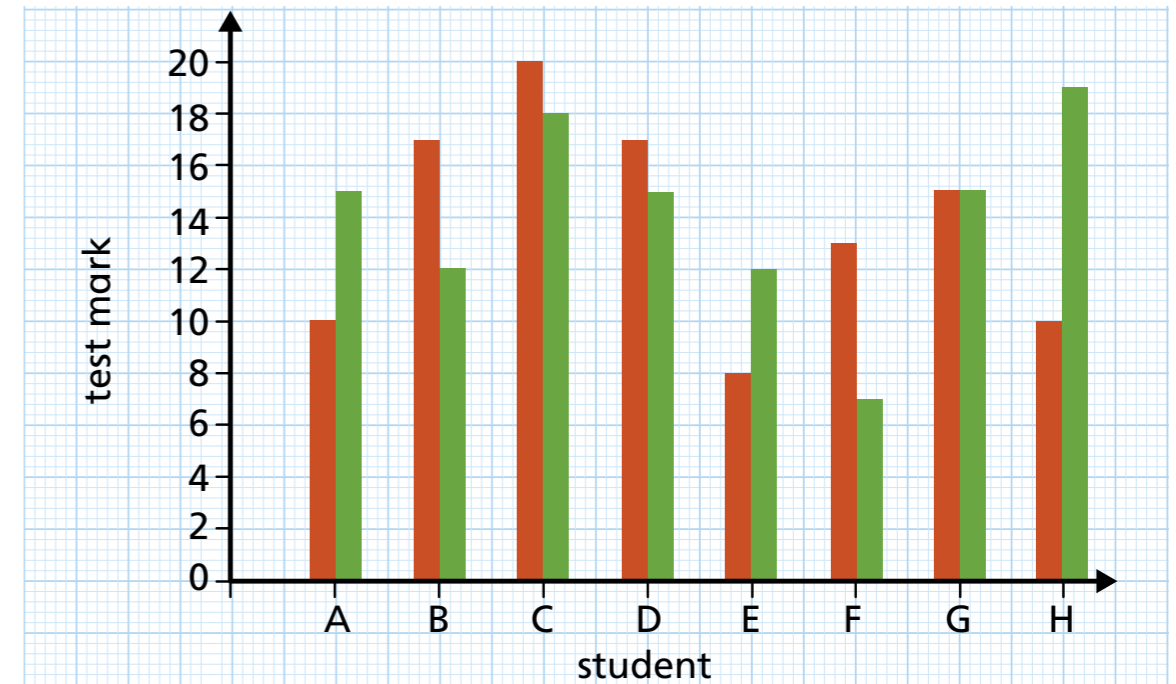
Is she correct? <u>No</u>

Show all your workings to support your answer.

Tea: 107
Coffee: 154   154 ≠ 2 × 107

e) On Friday, she sold 27 cups of tea and 38 cups of coffee.

Show this information on the bar chart.

2 Eight students did a Maths test and a Science test.

Each test was out of 20

The bar chart shows their results.

■ Maths   ■ Science

a) How many students got 10 marks in their Maths test? `2`

b) How many marks did student B get in the Science test? `12`

c) Which students did better in their Maths test than Science test?

<u>B, C, D, F</u>

d) The pass mark for the Maths test was 75%.
How many students passed the test? `4`
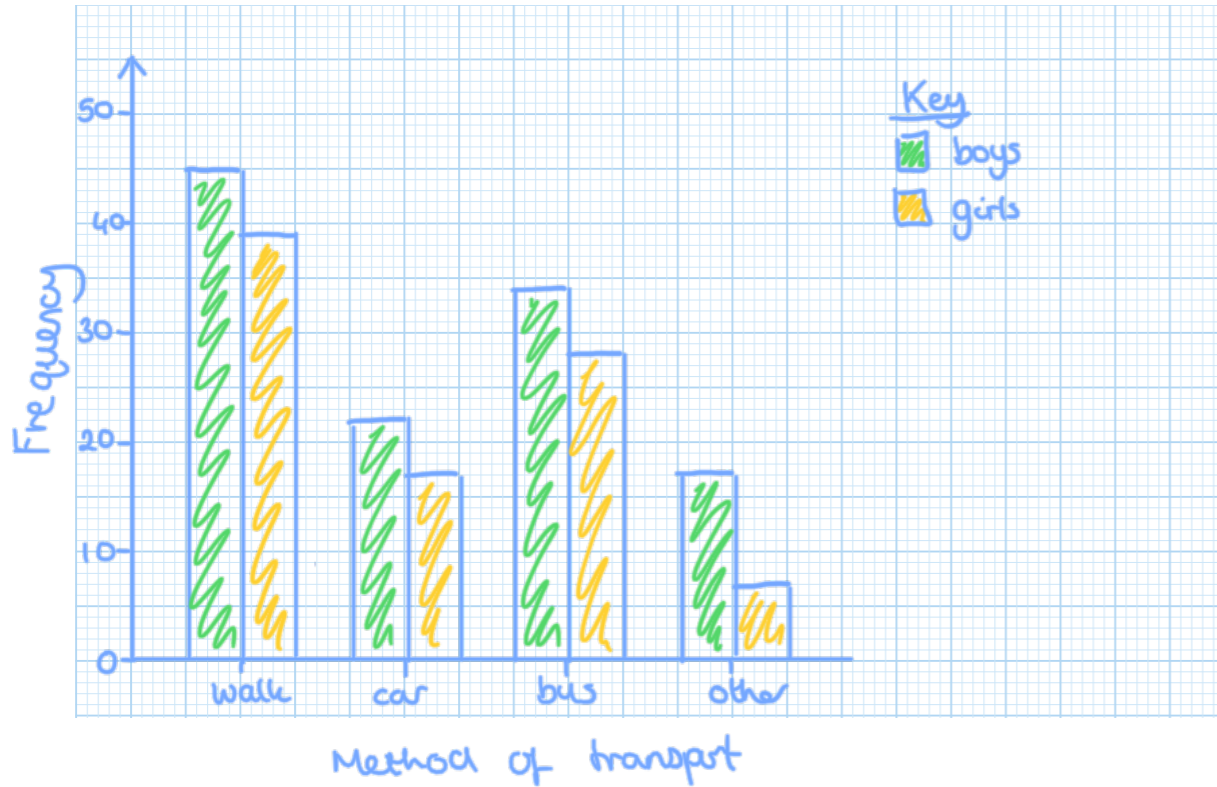
e) What was the median Science mark?

`15`

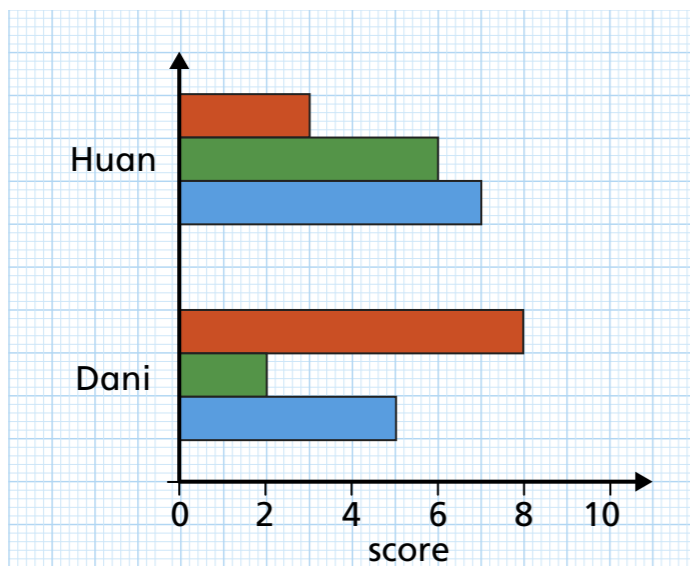Explain to a partner how you worked this out.

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3 The table shows how some students travelled to school.

	Walk	Car	Bus	Other
Boys	45	22	34	17
Girls	39	17	28	7

Draw a dual bar chart to represent this data.

Key
boys
girls

Frequency
Method of transport
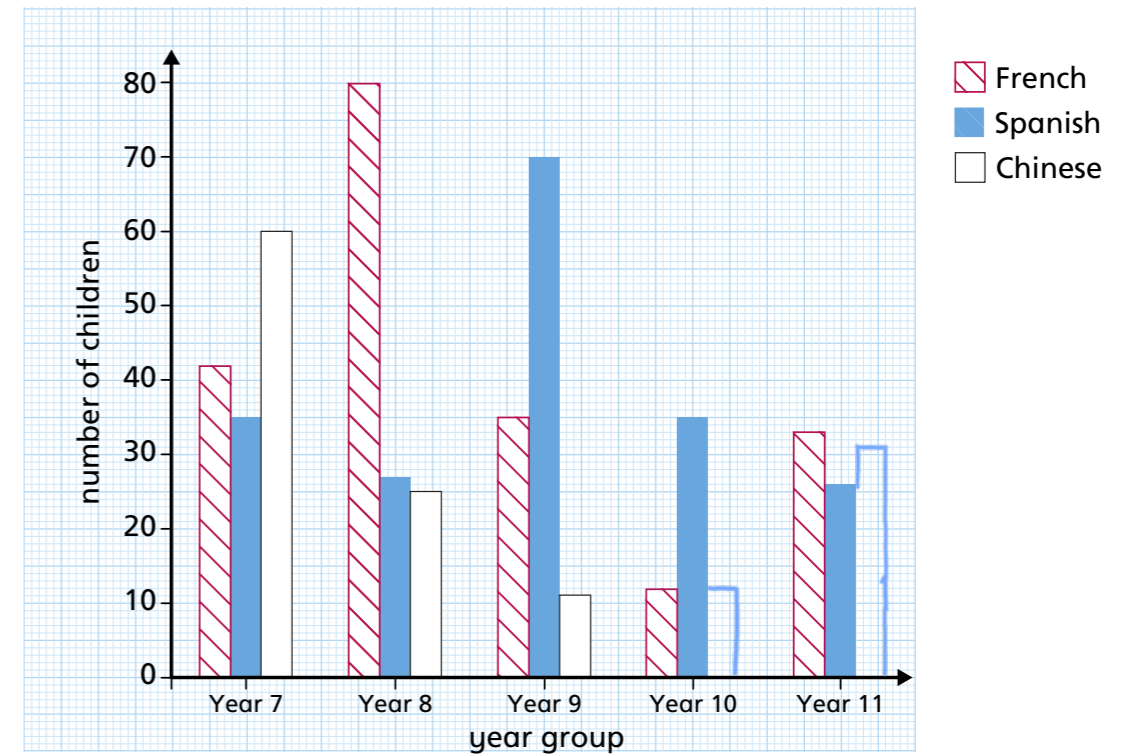walk car bus other

4 A competition involves three rounds of ten shots at a basketball hoop.

score

The bar chart shows the results for Huan and Dani.

Who scored the most baskets overall? __Huan__

5 The bar chart shows the number of students in each year group who study French, Spanish and Chinese.

French
Spanish
Chinese

number of children
year group

a) How many Year 7 students studied each subject?

French [42]   Spanish [35]   Chinese [60]

b) 30% of the students who study Spanish in Year 9 go on a school trip.

How many students go on the school trip?

[21]

c) How many more students study French than Spanish?

[9]

d) The total number of Year 10 and Year 11 students who study Chinese is 48

There are three times as many students in Year 11 who study Chinese than in Year 10

Complete the bar chart.