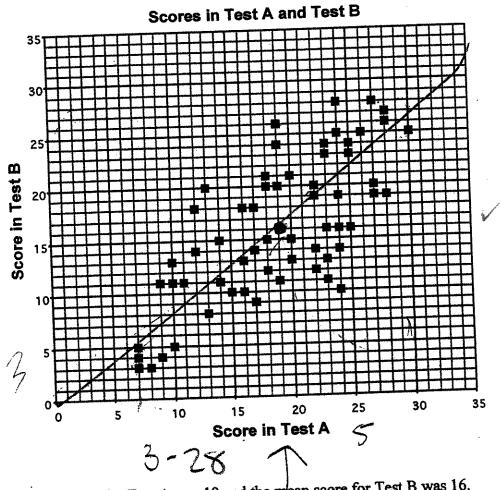
This problem gives you the chance to:

· discuss and understand a scatter plot of real data

A group of 66 students took two tests; Test A and Test B. In the scatter diagram, each square represents one student and shows the scores that student got in the two tests.



1. The mean score for Test A was 19 and the mean score for Test B was 16. Plot a point to show this on the scatter diagram.

2. Draw a line of best fit on the scatter diagram.

Here are five statements about the scores shown on the scatter diagram.
 If a statement is true check (1) it.
 If it is not true, write a correct statement.

and all and a second

The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.

The lowest score on Test A is lower than the lowest score for Test B.

The range of scores on Test B is 25.

The student with the highest score on Test A also has the highest score on Test B.

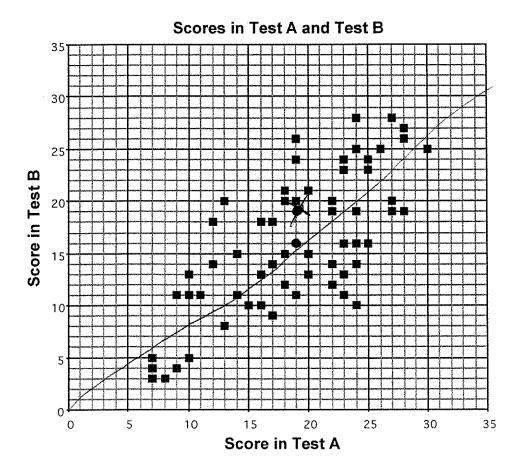
The biggest difference between a student's scores on the two tests is 5.

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How can a line of best fit be used?

To find an estimate of unknown test with r you know the other.

3. Here are five statements about the scores shown on the scatter diagram. If a statement is true check $(\sqrt{})$ it. If it is not true, write a correct statement.

Statement	Check (√) or write correct statement	
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.		(Spattimetries et
The lowest score on Test A is lower than the lowest score for Test B.	The lowest test score for Test A and B are the same.	0
The range of scores on Test B is 25.		SCHOOLS SANCTON
The student with the highest score on Test A also has the highest score on Test B.		
The biggest difference between a student's scores on the two tests is 5.		

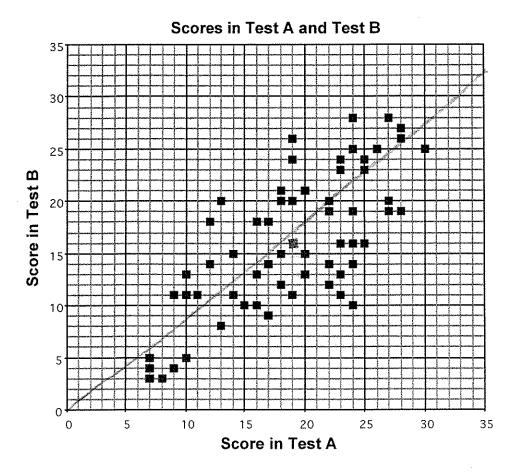
13

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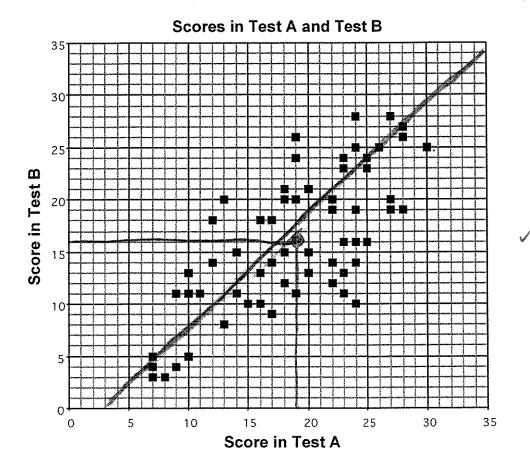
Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	test A is 4 better the the lowest on
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The highest score on test A is a higher than the highest score on B
The biggest difference between a student's scores on the two tests is 5.	The biggest difference between a students score on the two tests

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How can a line of best fit be used?

with a sule

3. Here are five statements about the scores shown on the scatter diagram. If a statement is true check $(\sqrt{})$ it. If it is not true, write a correct statement.

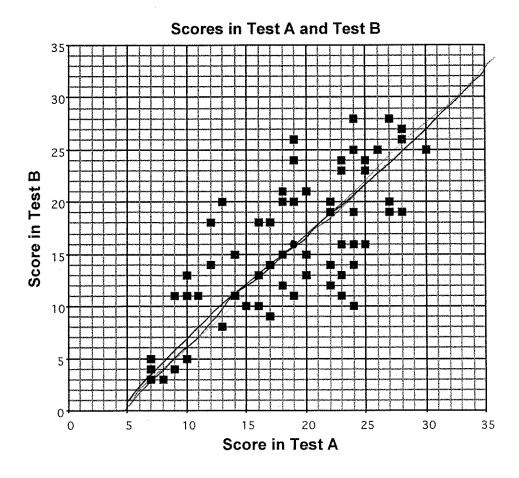
Statement	Check (√) or write correct statement		
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	1	•	d/Semidoração dos
The lowest score on Test A is lower than the lowest score for Test B.	The lowest score on testal is larger than the classification of testal.		*Milliogra Aggresses + + +*
The range of scores on Test B is 25.	1		- Charles Management
The student with the highest score on Test A also has the highest score on Test B.	-is 30 525	0	
The biggest difference between a student's scores on the two tests is 5.		0	

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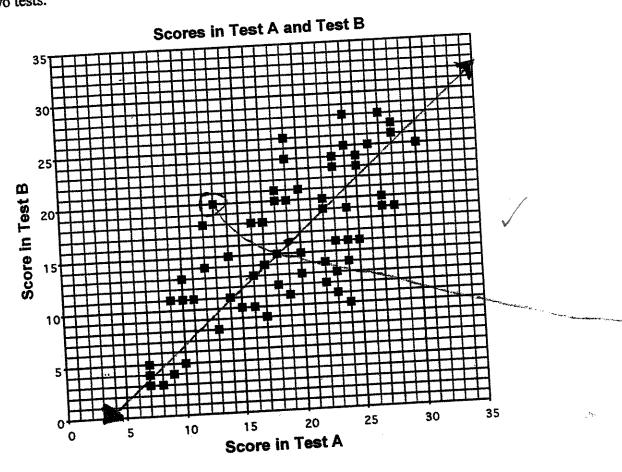
3. Here are five statements about the scores shown on the scatter diagram. If a statement is true check $(\sqrt{})$ it. If it is not true, write a correct statement.

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	The lowist scare on test B was lower Than The lowest Scare on test A.
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The STUDENT WITH THE highest score on Test A did not get The highest score on Test B
The biggest difference between a student's scores on the two tests is 5.	The biggest difference between a students score on the two Tosts is 7

This problem gives you the chance to:

discuss and understand a scatter plot of real data

In the scatter diagram, each square represents one student and shows the scores that student got in A group of 66 students took two tests; Test A and Test B. the two tests.



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3. Here are five statements about the scores shown on the scatter diagram.

If a statement is true check (\checkmark) it.

If it is not true, write a correct statement.

1	Check (√) or write correct statement
statement	/ :
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	V Str. L. oct Screit
The lowest score on Test A is lower than the lowest score for Test B.	Test B's lowest scare is 4 points lower than Test A's lowest.
The range of scores on Test B is 25.	I with the highest
The student with the highest score on Test A also has the highest score on Test B.	The student with the highest score on the some on the A does not have the highest score on B by 3. The highest score on B by 3.
The biggest difference between a student's scores on the two tests is 5.	No, are student, for instantion has a deference of 17.

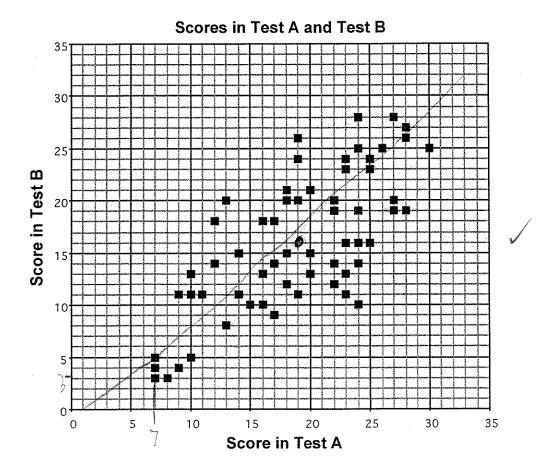
52

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If a statement is true check $(\sqrt{)}$ it.

If it is not true, write a correct statement.

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	Characteristics of the Control of th
The lowest score on Test A is lower than the lowest score for Test B.	The lowest score on tests.
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	me student with the highest score on test A I needed 5 pts more to be the highest on test B
The biggest difference between a student's scores on the two tests is 5.	the biggest difference between a students 1 scores is 14.

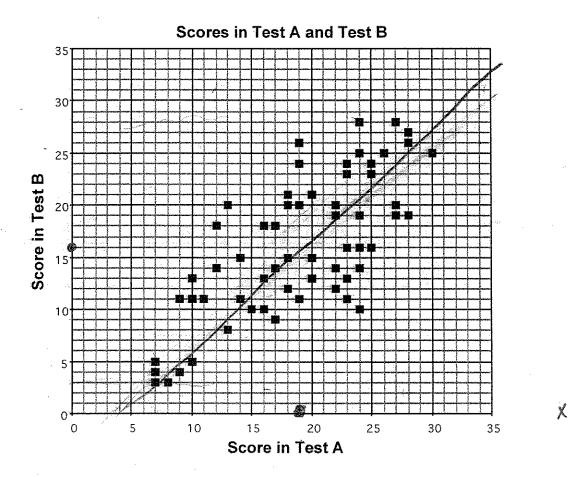
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2. Draw a line of best fit on the scatter diagram.

How can a line of best fit be used?

to show relationships

.

53

3. Here are five statements about the scores shown on the scatter diagram. If a statement is true check $(\sqrt{})$ it. If it is not true, write a correct statement.

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	The lowest score ontiest bis lower than the lowest some on test A
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The student with the highest scare on Test of did not have the highest to be on Jest B
The biggest difference between a student's scores on the two tests is 5.	the biggest differrence between a student's sorein the 2 tests outs 14

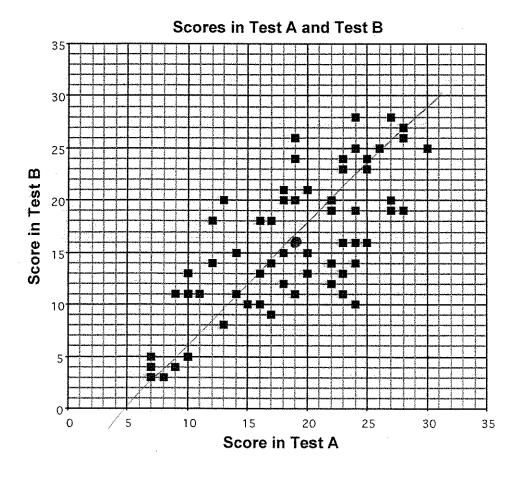
This problem gives you the chance to:

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54

A group of 66 students took two tests; Test A and Test B.

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- 1. The mean score for Test A was 19 and the mean score for Test B was 16. Plot a point to show this on the scatter diagram.
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How can a line of best fit be used?

It show the various some that the students got on the tests

3. Here are five statements about the scores shown on the scatter diagram.
If a statement is true check (√) it.
If it is not true, write a correct statement.



Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	The buest score for test A is higher than the laws to some for test B.
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The student with the place
The biggest difference between a student's scores on the two tests is 5.	The biograph difference between a students scores is larger than

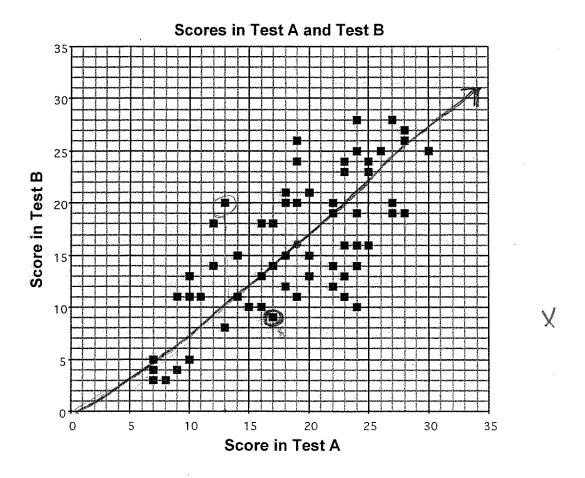
85

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How can a line of best fit be used?

To see how close a poisson was to the

3. Here are five statements about the scores shown on the scatter diagram. If a statement is true check $(\sqrt{})$ it. If it is not true, write a correct statement.

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	X
The range of scores on Test B is 25.	The range of scores on Test B is 28. X
The student with the highest score on Test A also has the highest score on Test B.	The student with the highest score on Test A, Joesn't have the highest on Test B.
The biggest difference between a student's scores on the two tests is 5.	The biggest difference between a student's scores on the two tests is 8.

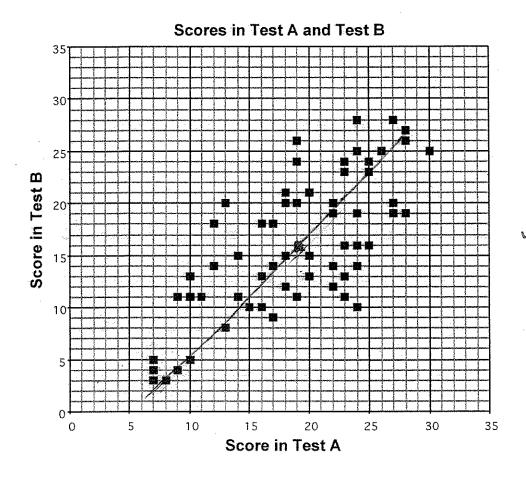
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56

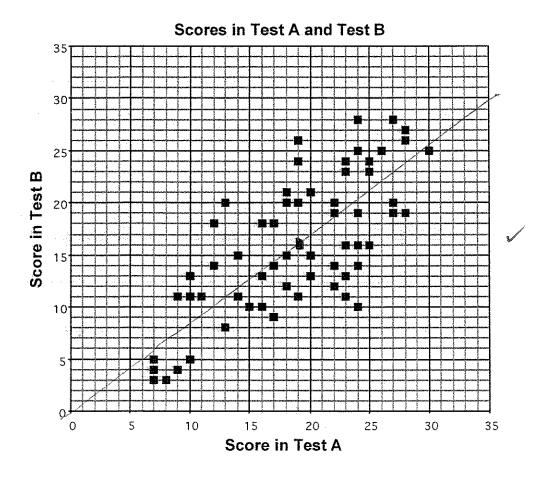
Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	The lowest score on Test B is lower than the lowest score for Test A.
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The student with the highest score on Test A did not have the highest score on Test B.
The biggest difference between a student's scores on the two tests is 5.	The smallest difference between a student's scores on the two tests is 0 x

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How can a line of best fit be used?

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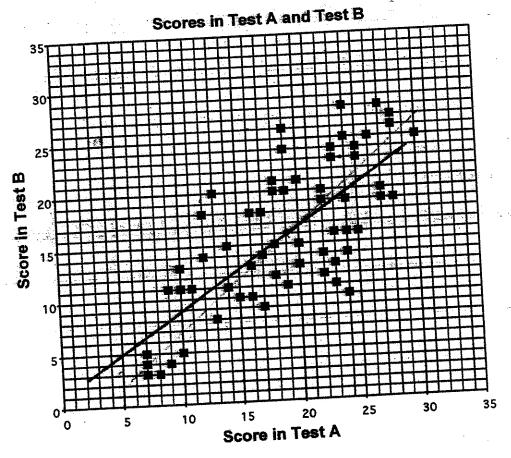
to show the averages of both tests, thormany x

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	The scatter diagram shows no correlation between scores on Test At scores on Test B. X
The lowest score on Test A is lower than the lowest score for Test B.	The lowest score on Test A is the same as the lowest score for Test B.
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The student — the highest occre on Test A which the highest score on Test B;
The biggest difference between a student's scores on the two tests is 5.	the biggest difference between a student's secres on the two Hests is to.

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How can a line of best fit be used?

Nave

3. Here are five statements about the scores shown on the scatter diagram.

58

If a statement is true check ($\sqrt{}$) it.

If it is not true, write a correct statement.

II It is not war,	El contra de progres ante company de las de la company
and the second of the second o	Check (√) or write correct statement
Statement	
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	The second secon
The lowest score on Test A is lower than the lowest score for Test B.	The lowest scole on Test B is lower than the lowest scole on Test A
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	on Test B. difference between a
The biggest difference between a student's scores on the two tests is 5.	The biggest difference between a students scores on the thouses is 14

Scatter Diagram

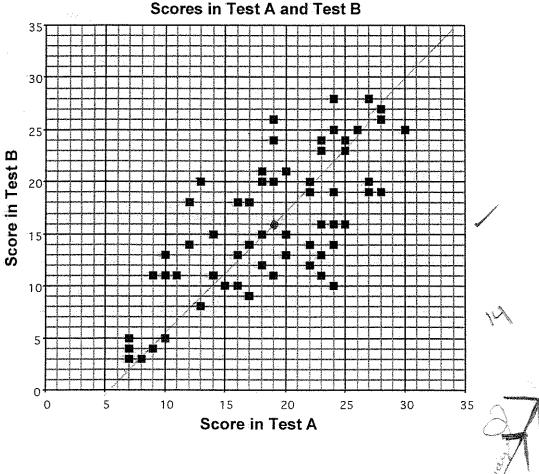
39

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How can a line of best fit be used?

To Figure out the Archaels score on each test for

And all letters.

3. Here are five statements about the scores shown on the scatter diagram.
If a statement is true check (√) it.
If it is not true, write a correct statement.

59

Statement	Check (√) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	The lovest score on test Bist law then the lowest score ontest A
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The student with the highest score on Test A did not record
The biggest difference between a student's scores on the two tests is 5.	The biggest difference between a studies gives on the two king

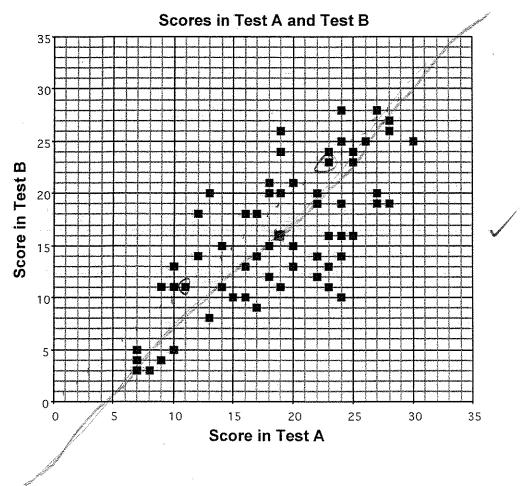
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Statement	Check (√) or write correct statement
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The lowest score on Test A is lower than the lowest score for Test B.	The sowest howen that
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	The stylent who should the sound the
The biggest difference between a student's scores on the two tests is 5.	a trudent work on the test

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