

Time taken 14 mins 25 secs

Score made 10.00 out of 16.00 (63%)

Consider the following data for conductivity from CRD:

Type				
1	143	141	150	146
2	152	149	137	143
3	134	136	132	127
4	129	127	132	129

The total sum of squares is -----

- 236.25
- None
- 844.69
- 1080.94

The correct answer is:
1080.94



The correct answer is:

1080.94

on 2

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0.00 out

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tion

An experiment with a single factor has been conducted as a completely randomized design. A portion of the output is shown below.

Source	SS	DF	MS	F
Factor	?	?	25.69	?
Error	84.35	12	?	
Total	161.42	15		

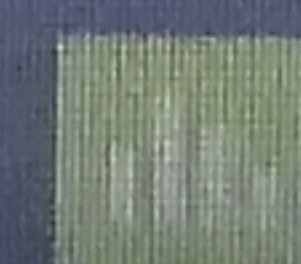
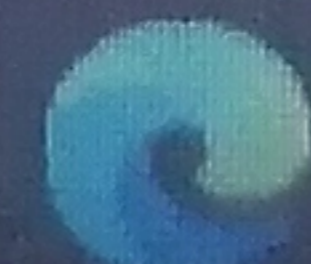
How many replicates were used in this experiment?

- 3
- None
- 5
- 4

The correct answer is:

4

here to search



Question 3

Correct

Mark 2.00 out of 2.00

Flag question

An experiment with a single factor with 5-levels has been conducted as a randomized complete block experiment . A portion of the output is shown below.

Source	SS	DF	MS	F
Factor	?		252.640	29.84
Block	?		64.765	
Error	169.33	20		
Total	1503.71	29		

How many blocks were used in this experiment?

- 4
- 6
- None
- 5

The correct answer is:

6

Question 4

Correct

Mark 2.00 out of 2.00

An experiment with a single factor with 5-levels has been conducted as a randomized complete block experiment . A portion of the output is shown below.

Source	SS	DF	MS	F
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Question 4
Correct
Mark 2.00 out of 2.00
Flag question

An experiment with a single factor with 5-levels has been conducted as a randomized complete block experiment. A portion of the output is shown below.

Source	SS	DF	MS	F
Factor	?		252.640	
Block	?			
Error	169.33	20		
Total	1503.71	29		

The mean of sum squares for blocks will be -----

- 169.33
- 8.467
- 1010.56
- 64.765

The correct answer is:
64.765

Question 5
Correct
Mark 2.00 out of 2.00
Click here to search

Suppose that a single-factor experiment with five levels of the factor has been conducted. There are four replicates and the experiment has been conducted as a complete randomized design. If the experiment had been conducted in blocks, the pure error degrees of freedom would be reduced by -----



The correct answer is:

64.765

Question 5

Correct

Mark 2.00 out

2.00

Flag

Question

Suppose that a single-factor experiment with five levels of the factor has been conducted. There are four replicates and the experiment has been conducted as a complete randomized design. If the experiment had been conducted in blocks, the pure error degrees of freedom would be reduced by -----

- 5
- 4
- 2
- 3

The correct answer is:

3

Question 6

Correct

Mark 0.00 out

2.00

Flag

Question

Consider the following data for conductivity from CRD:

Type

1	143	141	150	146
2	152	149	137	143
3	134	136	132	127
4	129	127	132	129

3

6

out

Consider the following data for conductivity from CRD:

Type

1	143	141	150	146
2	152	149	137	143
3	134	136	132	127
4	129	127	132	129

The estimate of the effect of treatment 2 is -----

- 7.0625
- None
- 5.7
- 7.3125

The correct answer is:

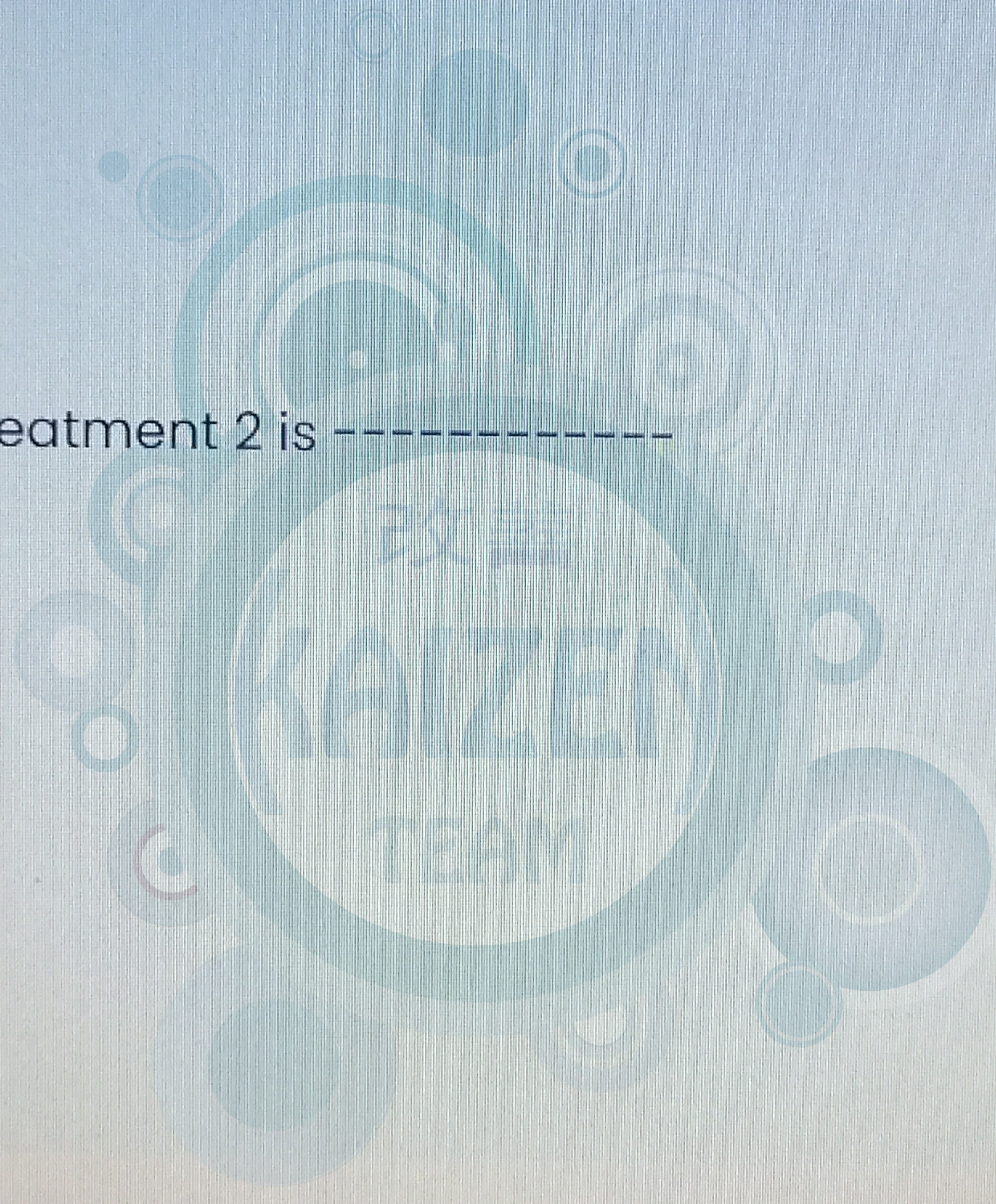
7.3125

on 7

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An experiment with a single factor has been conducted as a completely randomized design. A portion of the output is shown below.



An experiment with a single factor has been conducted as a completely randomized design. A portion of the output is shown below.

Source	SS	DF	MS	F
Factor	?	?	25.69	?
Error	84.35	12	?	
Total	161.42	15		

The estimate of the variance of any observation in the experiment is -----

- 7.03
- None
- 5.91
- 2.65

The correct answer is:

7.03

8
Consider the following data for conductivity from RCBD: