Problem 1 Fill in the missing values and answer the related questions.

Source DF SS MS F P

Machine **3**  2.1946 0.7315 2.16 0.133

Shift **1** **7.5938** 7.5938 **22.41** 0.000

Machine\*Shift 3 7.5713 2.5238 **7.45** 0.002

Error **16 5.4208** 0.3388

Total 23 22.7796

What is the decision for Shift? Reject the null hypothesis.

4

How many machines were included in the data set?

yes

Is the interaction between Machine and Shift significant?

NO

Was this a 3X2 design?

24

What is the total number of items in the data set?

Problem 3 Using uppercase letters (A B C D E F G H, etc.), record the correct choice in the table below.

|  |  |
| --- | --- |
| 1 | D |
| 2 | H |
| 3 | J |
| 4 | O |
| 5 | T |
| 6 | B |
| 7 | B |
| 8 | C |
| 9 | A |
| 10 | C |
| 11 | F |
| 12 | D |
| 13 | A |
| 14 | B |
| 15 | C |
| 16 | B |
| 17 | C |
| 18 | A |
| 19 | D |
| 20 | C |