

Reading Comprehension Word Problem: Lab Experiment 1



Read the story below and then answer the questions. (solutions)

Ashley and Cody have to complete 2 lab experiments within one 8 hour day using the same equipment.

Experiment A calls for chemicals to be mixed in 1 test tube, heated for 3 hours and then immediately divided into 3 clean test tubes in equal portions.

Experiment B calls for chemicals to be mixed in 1 test tube, heated for 4 hours, cooled for 3 hours in the cooling rack and then divided into 2 clean test tubes in equal portions.

Materials and Equipment list: chemicals for Experiment A, chemicals for Experiment B, 10 test tubes, 1 test tube heating clamp, 1 Bunsen burner, 1 test tube cooling rack

1. How many test tubes were used in all? _____
2. How many unused test tubes were there after the experiment?

3. Since they only have 1 test tube heating clamp and burner, which experiment do they have to complete first in order to finish both experiments in time? _____
4. How many portions of chemicals were produced in total by both experiments? _____

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Materials and Equipment list: chemicals for Experiment A, chemicals for Experiment B, 10 test tubes, 1 test tube heating clamp, 1 Bunsen burner, 1 test tube cooling rack

1. How many test tubes were used in all? 7
2. How many unused test tubes were there after the experiment? 3
3. Since they only have 1 test tube heating clamp and burner, which experiment do they have to complete first in order to finish both experiments in time? Experiment B (because of cooling time)
4. How many portions of chemicals were produced in total by both experiments? 5