Measuring Mass Worksheet

Part 1
Directions: Determine the mass of the object shown on the triple beam balances below:

1. 1. 2. 3. 4. 5. 6.

Part 2
Directions: Make marks on the following triple beam balances to show the grams indicated:

5. 476.5 g

6. 238.2 g
Part 3
Directions: Answer the following questions. Please write complete sentences.

7. Write a definition for mass:

8. What instrument is used to measure mass:

9. What instrument is used to measure weight:

10. How are mass and weight different?

11. If you mass 35 kg on Earth, what will your mass be on the moon where gravity is 1/6 that of Earth’s?

12. If you weigh 120 pounds on Earth, what will your WEIGHT be on the moon where gravity is 1/6 that of Earth’s?

Part 4
Directions: Convert the following units.

13. 345.6 g = ________ cg

14. 4.3 kg = ________ g

15. 1538 mg = ________ g

16. 25 mg = ________ cg