Physics 11 Unit 2 - Worksheet #1 - Fg, mass, units

| Name: | | | | | | | |
|----------|-----------|-----------|------|--------|----------|-------|------|
| | | | | | | | |
| 1. Calcu | ulate the | weight of | fa4k | jug of | milk (in | Newto | ns). |

2. Calculate the force of gravity in Newtons on a 40 kg girl.

3. The force of gravity on a box is 597 N on the surface of the Earth. Find the mass of the box.

c) 4 kg = _____ grams

| 6. If I move a box from the Earth to the moon the changes. | stays the same but the |
|---|--|
| 7. The metric units for mass are | |
| 8. The metric units for force are | _ |
| 9. The imperial units for force are | |
| 10. The imperial units for mass are | (not used often) |
| 11. A 4 kg block is sitting on the table. Find the normal | al force on the block. |
| 12. A 30 N box is sitting on a table. A string is pulling normal force on the box. | up on the box with a 9 N force. Find the |
| 13. A 5 kg box is sitting on a table. Bob's hand is pus Find the normal force on the box. | hing down on the box with a 12 N force. |
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