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| **Using Non-Standard Units to Estimate and Measure Mass and Capacity** | | |
| Compares objects by mass with non-standard units but thinks a larger object has a greater mass    “The blue block is heavier because it’s bigger.” | Measures and compares objects by mass with non-standard units, but thinks the heavier object is in the higher pan of the pan balance | Measures and compares objects by mass with non-standard units, but thinks the arrangement of objects in the pans will impact the mass  “I rearranged the objects in this pan. I'd better compare the masses again.” |
| **Observations/Documentation** | | |
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| **Using Non-Standard Units to Estimate and Measure Mass and Capacity (con’t)** | | |
| Estimates and measures objects by mass with non-standard units  “I measured the mass of each unit  using linking cubes.” | Estimates, measures, compares, and orders objects by mass with non-standard units  “The mass of the object differs depending on which unit I use to measure.” | Estimates, measures, compares, and orders objects by mass with non-standard units, and sees a relationship between the units  “The mass of a linking cube is greater than the mass of a centicube, so it takes more centicubes to balance the object.” |
| **Observations/Documentation** | | |
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