

Measure Mass 1

1. A. 25 g; B. 20 kg
2. A. 5 g; B. 20 g; C. 25 g; D. 55 g
3. C. 13 kg
4. No, Jerry is incorrect because the two weighing scales use different units of measure. The hammer's mass equals 2 kilograms whilst the grapefruit's mass equals 300 g. 2 kilograms is heavier than 300 grams. The size or orientation of an object does not determine its mass.
5. Various answers, for example: mass of red/large battery = 10 grams, mass of yellow/small battery = 8 g ($10\text{ g} + 10\text{ g} + 8\text{ g} = 28\text{ g}$); mass of red/large battery = 11 grams, mass of yellow/small battery = 6 g ($11\text{ g} + 11\text{ g} + 6\text{ g} = 28\text{ g}$)
6. The wall will not be able to hold the radiator. The scale is increasing in intervals of 2. The arrow is pointing at 16 kg and the wall can only hold 15 kg.