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| **Exploring Volume and Capacity Relationships** |
| Understands that *capacity* is a measure of the amount a container can hold The capacity of the milk carton is 500 mL. | Understands that a container with a capacity in millilitres has a volume that is the same number of cubic centimetres The capacity of the can is 284 mL.The volume of the can of soup is 284 cm3. | Relates 1 L to 1000 cm3Volume of the cube:10 cm × 10 cm × 10 cm = 1000 cm3Capacity of the cube is 1000 mL = 1 L | Calculates the capacity of a container given its dimensions in centimetres *V* = π*r*2*h**V* = π × 42 × 10.7*V* $≈$ 538Volume is about 538 cm3, so the capacity is about 538 mL. |
| **Observations/Documentation** |
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