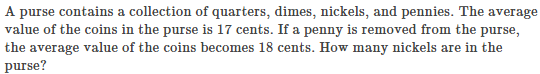
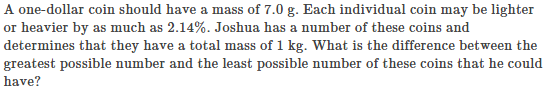
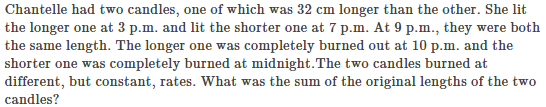
***MAP4C – Algebra Practice for Playdoh/Water/Paper Problems***

In each case, use the appropriate formula to solve for the missing dimension.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Shape: Circle | Given: C = 30 cm | Find: r | Shape: Circle | Given:  Area = 50 cm2 | Find: r |
|  | | |  | | |
| Shape: Square | Given:  Perimeter = 30cm | Find: side length | Shape: Square | Given:  Area = 60 cm2 | Find: side length |
|  | | |  | | |
| Shape: Cylinder | Given: r = 6 cm V = 2000 cm3 | Find: h | Shape: Cylinder | Given: h = 20 cm V = 1500 cm3 | Find: r |
|  | | |  | | |
| Shape: Cube | Given  V = 4000 cm3 | Find: side length | Shape: Cube | Given: surface area = 700 cm2 | Find: side length |
|  | | |  | | |
| Shape: Sphere | Given: V = 200 cm3 | Find: radius | Shape: Sphere | Given: surface area = 1000 cm3 | Find: radius |
|  | | |  | | |
| Shape: Cylinder | Given: r = 7 cm, S.A. = 500 cm2 | Find: height | Shape: Cylinder | Given: h = 10 cm S.A. = 2000 cm2 | Find: radius |
|  | | |  | | |

***All done? Try these…***

  
(Gauss 2005 #25)

  
(Pascal 2009 #23)  
  
  
(Gauss 2008 #25)