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

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

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| --- | --- | --- | --- | --- | --- |
| Shape: Circle | Given: C = 30 cm | Find: r | Shape: Circle | Given: Area = 50 cm2 | Find: r |
| 1.
 |  |
| Shape: Square | Given: Perimeter = 30cm | Find: side length | Shape: Square | Given: Area = 60 cm2 | Find: side length |
| 1.
 |  |
| Shape: Cylinder | Given: r = 6 cmV = 2000 cm3 | Find: h | Shape: Cylinder | Given: h = 20 cmV = 1500 cm3 | Find: r |
| 1.
 |  |
| Shape: Cube | Given V = 4000 cm3 | Find: side length | Shape: Cube | Given: surface area = 700 cm2 | Find: side length |
| 1.
 |  |
| Shape: Sphere | Given: V = 200 cm3 | Find: radius | Shape: Sphere | Given: surface area = 1000 cm3 | Find: radius |
| 1.
 |  |
| Shape: Cylinder | Given: r = 7 cm,S.A. = 500 cm2 | Find: height | Shape: Cylinder | Given: h = 10 cmS.A. = 2000 cm2 | Find: radius |
| 1.
 |  |

 ***All done? Try these…***


(Gauss 2005 #25)


(Pascal 2009 #23)


(Gauss 2008 #25)