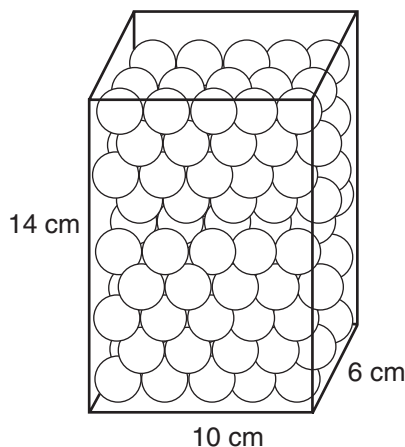


Name _____ Date _____

Use Formulas

CA Standards
 MR 2.3, AF 1.4

Triska is filling the box shown at right with balls. Each ball has a diameter of 1 cm.



1. How many balls will fit on the bottom of the box?

3. How many balls will fit inside the entire box?

5. If you were to glue balls all over the outer surface of the box, how many balls would you use?

2. If you were to fill the box with rows of balls, how many rows deep would the box be?

4. What if the width of the box were 5 cm instead of 6. How would this change your answer to problem 3?

6. About how many of the balls inside the box do not touch the outside edges of the box at all?
