Oct. 18 sheet

1. Area of square $324 cm^2$

$A = lw$
or s^2

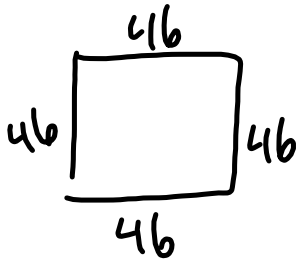
$s = \sqrt{324} = 18 cm$

2. volume $12167 cm^3$

$V = lwh$
or
$V = s^3$

$s^3 = 12167$
$\sqrt[3]{12167} = 23 cm$

3. Area $2116 cm^2$
square



$s = \sqrt{2116}$
$= 46 cm$

Perimeter $= 4 \times 46$
$= 184 cm$

4. S.A of cube $1734 cm^2$

$\div 6$ to get area of one square

$1734 \div 6 = 289 \ cm^2$

$\sqrt{289} = 17 \ cm$ (side measure)

5. Volume

$s^3 = 2197 \ cm^3$

$\sqrt[3]{2197} = 13$ side measure

$S.A = 6 \times (l \times w)$
$= 6(13 \times 13)$
$= 1014 \ cm^2$

6. volume

$s^3 = 13824 \ cm^3$

$\sqrt[3]{13824} = 24$

area of one side
$A = l \times w$
$= 24 \times 24 = 576 cm^2$

7. $s^3 = 39304 \ cm^3$

$\sqrt[3]{39304} = 34$

Perimeter one side
$P = 2l + 2w$
or $4(34) = 136 cm$