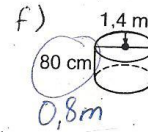
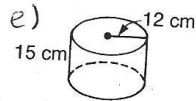
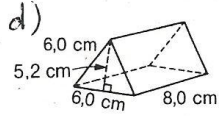
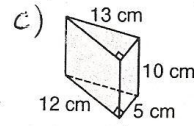
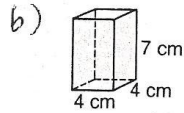
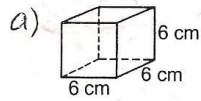
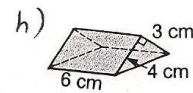
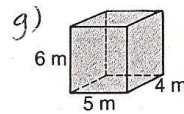
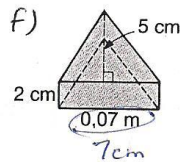
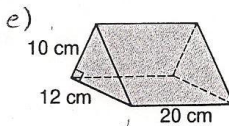
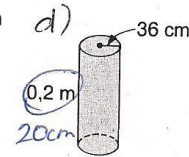
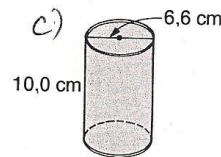
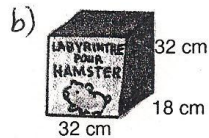
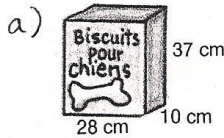


Révision - Module 4

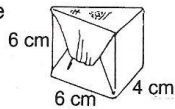
1. Trouve la surface totale de chaque objet.



2. Trouve le volume.

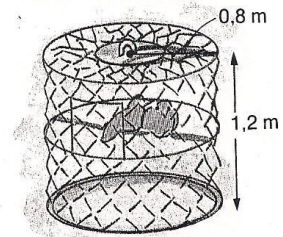


3. Le morceau de fromage a la forme d'un prisme triangulaire droit. Quel est son volume ?



4. Un réservoir d'essence a 10 m de diamètre et 8 m de haut. Quel est, au dixième près, son volume ?

5. Le propriétaire d'une animalerie fait construire une cage cylindrique.



- Calcule, au dixième près, l'aire du grillage.
- Trouve le coût à 7,95 \$/m².

Révision - Module 4

1. a. $A = bh$
 $= 6(6)$
 $= 36 \text{ cm}^2 \times 6 \text{ côtés} = \underline{216 \text{ cm}^2}$

b. $A = bh$
 $= 4(4)$
 $= 16 \text{ cm}^2 \times 2 = 32 \text{ cm}^2$

$A = bh$
 $= 4(7)$
 $= 28 \text{ cm}^2 \times 4 = 112 \text{ cm}^2$

$A = 144 \text{ cm}^2$

c. $A = \frac{bh}{2}$
 $= \frac{12(5)}{2}$
 $= 30 \text{ cm}^2 \times 2 = 60 \text{ cm}^2$

$A = bh$
 $= 5(10)$
 $= 50 \text{ cm}^2$

$A = bh$
 $= 12(10)$
 $= 120 \text{ cm}^2$

$A = bh$
 $= 13(10)$
 $= 130 \text{ cm}^2$

$A = 360 \text{ cm}^2$

d. $A = \frac{bh}{2}$
 $= \frac{6(5,2)}{2}$
 $= 15,6 \text{ cm}^2 \times 2 = 31,2 \text{ cm}^2$

$A = bh$
 $= 6(8)$
 $= 48 \text{ cm}^2 \times 3$
 $= 144 \text{ cm}^2$

$A = 175,2 \text{ cm}^2$

$$\begin{aligned}
 e. \quad A &= \pi r^2 \\
 &= 3,14(12)(12) \\
 &= 452,16 \times 2 = 904,32 \text{ cm}^2
 \end{aligned}$$

$$\begin{aligned}
 C &= \pi d \\
 &= 3,14(24) \\
 &= 75,36 \text{ cm}
 \end{aligned}$$

$$\begin{aligned}
 A &= bh \\
 &= 75,36(15) \\
 &= 1130,4 \text{ cm}^2
 \end{aligned}$$

$$A = \underline{2034,72 \text{ cm}^2}$$

$$\begin{aligned}
 f. \quad A &= \pi r^2 \\
 &= 3,14(0,7)(0,7) \\
 &= 1,5386 \text{ cm}^2 \times 2 = 3,0772 \\
 &\approx 3,08 \text{ cm}^2
 \end{aligned}$$

$$\begin{aligned}
 C &= \pi d \\
 &= 3,14(1,4) \\
 &= 4,396
 \end{aligned}$$

$$\begin{aligned}
 A &= bh \\
 &= 4,396(0,8) \\
 &= 3,5168 \text{ cm}^2
 \end{aligned}$$

$$A = \underline{6,5968 \text{ cm}^2}$$

$$\begin{aligned}
 2. \quad a) \quad V &= Ah \\
 &= 28(10)(37) \\
 &= \underline{10360 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 b. \quad V &= Ah \\
 &= 32(18)(32) \\
 &= \underline{18432 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 c) \quad V &= Ah \\
 &= \pi r^2 h \\
 &= 3,14(3,3)(3,3)(10) \\
 &= \underline{341,946 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 d) \quad V &= Ah \\
 &= \pi r^2 h \\
 &= 3,14(36)(36)(20) \\
 &= \underline{81388,8 \text{ cm}^3} \quad \text{ou} \quad 0,0813888 \text{ m}^3
 \end{aligned}$$

$$\begin{aligned}
 e) \quad V &= Ah \\
 &= \left(\frac{bh}{2}\right)h \\
 &= \left(\frac{10(12)}{2}\right)(20) \\
 &= \underline{1200 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 f) \quad V &= Ah \\
 &= \left(\frac{bh}{2}\right)h \\
 &= \left(\frac{7(5)}{2}\right)(2) \\
 &= \underline{35 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 g) \quad V &= Ah \\
 &= 5(4)(6) \\
 &= \underline{120 \text{ m}^3}
 \end{aligned}$$

$$\begin{aligned}
 h) \quad V &= Ah \\
 &= \left(\frac{bh}{2}\right)h \\
 &= \left(\frac{3(4)}{2}\right)(6) \\
 &= \underline{36 \text{ cm}^3}
 \end{aligned}$$

$$\begin{aligned}
 3) \quad V &= Ah \\
 &= \left(\frac{bh}{2}\right)h \\
 &= \left(\frac{6(4)}{2}\right)(6) \\
 &= 72 \text{ cm}^3
 \end{aligned}$$

$$\begin{aligned}
 4) \quad V &= Ah \\
 &= \pi r^2 h \\
 &= 3,14(5)(5)(8) \\
 &= 628 \text{ m}^3
 \end{aligned}$$

$$\begin{aligned}
 5) \quad A &= \pi r^2 \\
 &= 3,14(0,8)(0,8) \\
 &= 2,0096 \text{ m}^2 \times 2 \\
 &= 4,0192 \text{ m}^2
 \end{aligned}$$

$$\begin{aligned}
 C &= \pi d \\
 &= 3,14(1,6) \\
 &= 5,024
 \end{aligned}$$

$$A = 10,048 \text{ m}^2$$

$$\begin{aligned}
 A &= bh \\
 &= 5,024(1,2) \\
 &= 6,0288 \text{ m}^2
 \end{aligned}$$

$$A = \underline{10,0 \text{ m}^2}$$

$$b. \quad 10 \text{ m}^2 \times 7,95 \text{ \$/m}^2 = \underline{79,50 \text{ \$}}$$