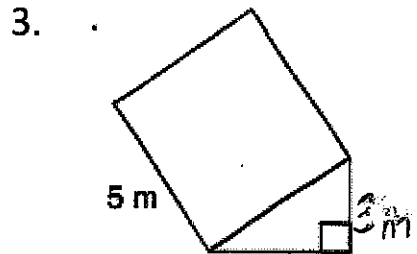
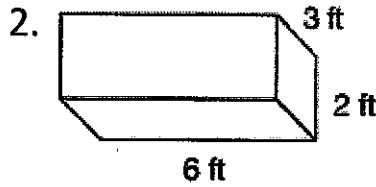
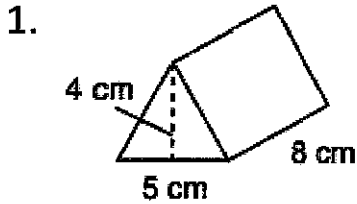


Name: Key Date: _____ Hour: _____

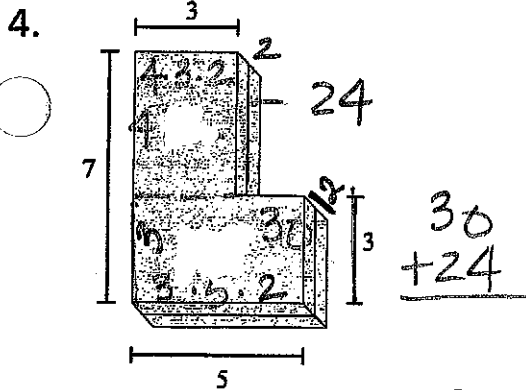
Practice quiz on volume and surface area. You may use a calculator but be sure to SHOW ALL OF YOUR WORK!

Find the VOLUME of each figure.

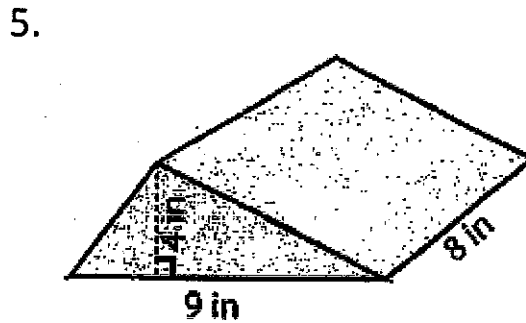


$4 \cdot 5 \div 2 \cdot 8 = 80 \text{ cm}^3$ $6 \cdot 2 \cdot 3 = 36 \text{ ft}^3$

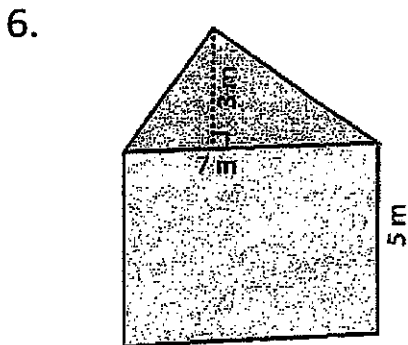
$\frac{22.5 \text{ m}^3}{3 \cdot 3 \div 2 \cdot 5}$



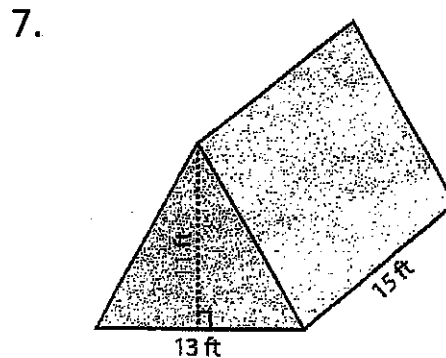
54 units^3



$9 \cdot 4 \div 2 \cdot 8 = 144 \text{ in}^3$



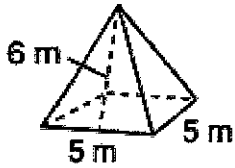
$7 \cdot 3 \div 2 \cdot 5 = 52.5 \text{ m}^3$



$13 \cdot 11 \div 2 \cdot 15 = 1,072.5 \text{ ft}^3$

Find the **SURFACE AREA** of the following figures.

8.

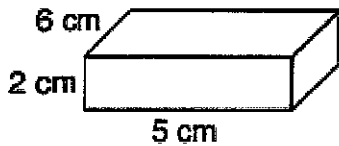


Base: $5 \cdot 5 = 25$

Sides: $6 \cdot 5 \div 2 = 15$ x4 = 60

Total Surface area = 85 m²

9.



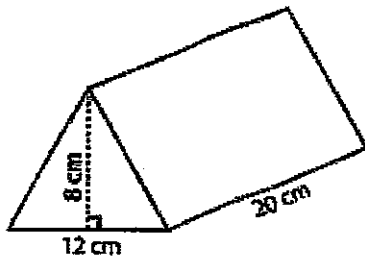
Front: $5 \cdot 2 = 10$ x2 = 20

Top: $6 \cdot 2 = 12$ x2 = 24

Side: $5 \cdot 6 = 30$ x2 = 60

Total Surface Area = 104 cm²

10.

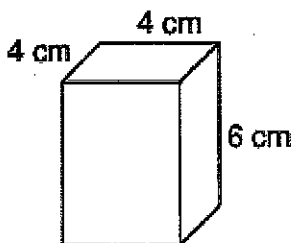


Base: $12 \cdot 8 \div 2$ x2 = 96

Side: $12 \cdot 20$ x3 = 720

Total Surface Area = 816 cm²

11.



Front: $4 \cdot 4 = 16$ x2 = 32

Top: $4 \cdot 4 = 16$ x2 = 32

Side: $4 \cdot 4 = 16$ x2 = 32

Total Surface Area = 128 cm²