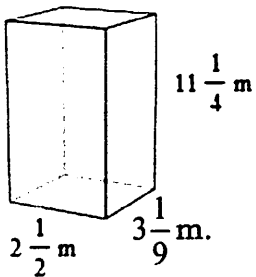
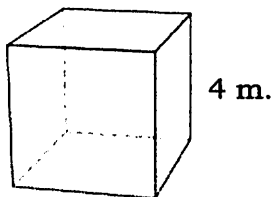


1. Find the Volume of a Cube with edge length $1\frac{2}{3}$ cm as a fraction in simplest form.

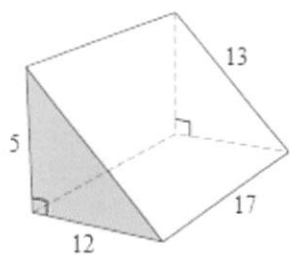
2. Find the Volume of the Rectangular Prism as a fraction in simplest form.



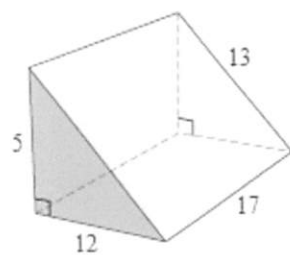
3. Find the Surface Area of the Cube.



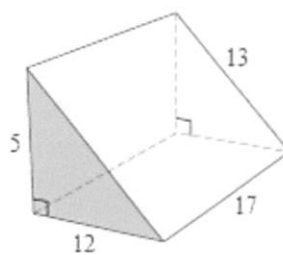
4. Find the Surface Area of the Triangular Prism.



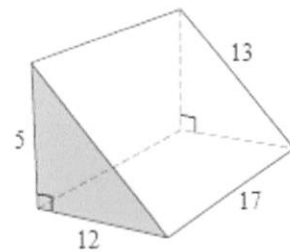
Triangle Bases $\times 2$



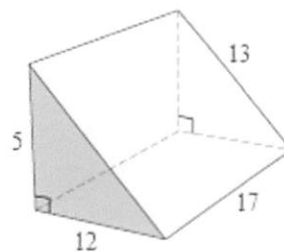
Bottom Rectangle



Back Rectangle



Front Rectangle



Total Surface Area = _____

1. Find the Volume of a Cube with edge length $1\frac{2}{3}$ cm as a fraction in simplest form.

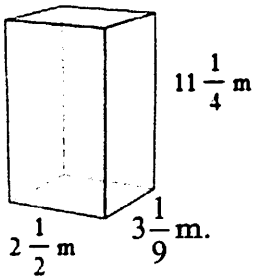
All edge lengths = $1\frac{2}{3}$ cm

$$V = L \cdot W \cdot H$$

$$V = 1\frac{2}{3} \cdot 1\frac{2}{3} \cdot 1\frac{2}{3}$$

$$V = \frac{5}{3} \cdot \frac{5}{3} \cdot \frac{5}{3} = \frac{125}{27} = \boxed{4\frac{17}{27} \text{ cm}^3}$$

2. Find the Volume of the Rectangular Prism as a fraction in simplest form.

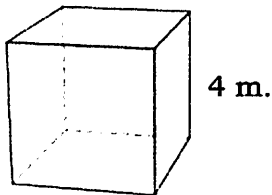


$$V = L \cdot W \cdot H$$

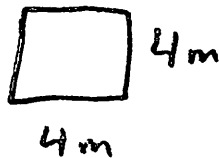
$$V = 2\frac{1}{2} \cdot 3\frac{1}{9} \cdot 11\frac{1}{4}$$

$$V = \frac{5}{2} \cdot \frac{28}{9} \cdot \frac{45}{4} = \frac{175}{2} = \boxed{87\frac{1}{2} \text{ m}^3}$$

3. Find the Surface Area of the Cube.



6 squares



$$A = 6 \cdot h$$

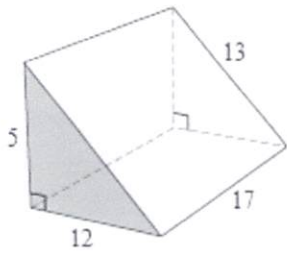
$$A = 4 \cdot 4$$

$$A = 16 \text{ m}^2$$

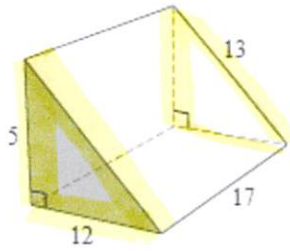
x 6 squares

$$\boxed{\text{Surface Area} = 96 \text{ m}^2}$$

4. Find the Surface Area of the Triangular Prism.



Triangle Bases $\times 2$



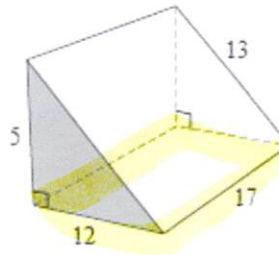
$$A = \frac{b \cdot h}{2}$$

$$A = \frac{12 \cdot 5}{2}$$

$$A = 30 \text{ units}^2 \times 2$$

$$\underline{\Delta \text{ Bases} = 60 \text{ units}^2}$$

Bottom Rectangle

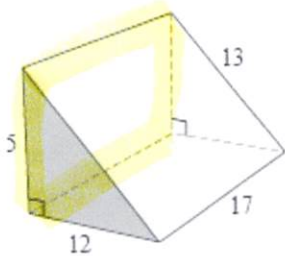


$$A = b \cdot h$$

$$A = 12 \cdot 17$$

$$A = \underline{204 \text{ units}^2}$$

Back Rectangle

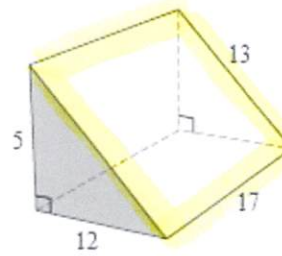


$$A = b \cdot h$$

$$A = 17 \cdot 5$$

$$A = \underline{85 \text{ units}^2}$$

Front Rectangle



$$A = b \cdot h$$

$$A = 17 \cdot 13$$

$$A = \underline{221 \text{ units}^2}$$

+ up Areas
Total Surface Area = 570 units²