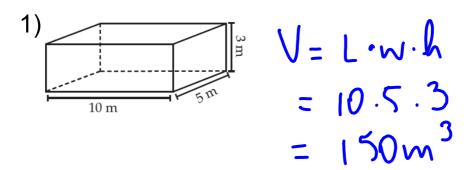
Volume of Prisms

Find the volume of the following solids:



2)
$$\sqrt{\frac{40 \text{ cm}}{50 \text{ cm}}}$$
 $\sqrt{\frac{2}{34.64 \text{ cm}}}$ = $\frac{40 \cdot 6}{34.64} \cdot \frac{1}{34.64} \cdot \frac{1}{34$

3)
$$V = Ab \cdot h$$

 $= 12.9 \cdot 20$
 $= 1080 \text{ m}^3$

Volume Backwards

1) A cube has a volume of 2197 cm³. What is the total surface area of this cube?

V= 2197 cm

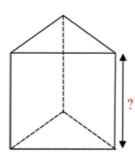
 $\begin{array}{c}
\text{(1)} \quad \forall = S^3 \\
\text{2197} = S^3
\end{array}$

2 Surface Appea = 6 · S² 2 = 6 · (13)

13

= 1014 cm

2)



Volume of the prism = $400 m^3$

Area of the base = $40 m^2$

1=Ab.h 400=40.h 40

h=10 m