2. $42 \div x =$

$42 \div 4$

$\frac{42}{4} = \frac{21}{2}$ or 10.5

9. $(3x)^4 =$

$(3(4))^4$

$(12)^4$

20736

21. $\dfrac{(4^2 - 1)}{9 \cdot 5} = \dfrac{16 - 1}{45} = \dfrac{15}{45} = \dfrac{3}{9} = \dfrac{1}{3}$

20. $\dfrac{7 \cdot 2^3}{8 + (2^4 - 1)} = \dfrac{7 \cdot 8}{8 + (16 - 1)} = \dfrac{56}{8 + (15)} = \dfrac{56}{23}$

7. $x^2 - 3 =$

$(4)^2 - 3$

$16 - 3$

13

8. $3x^4 =$

$3(4)^4$

$3 \cdot 256$

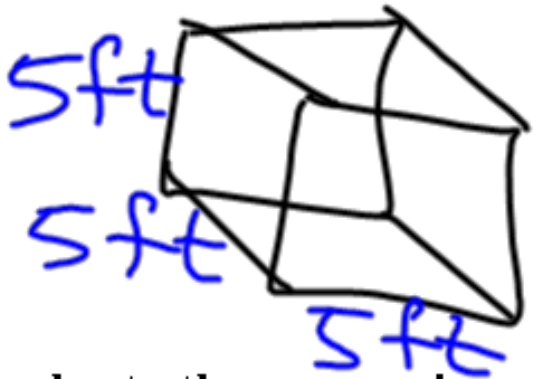
768

22. $\dfrac{7^3 + 1 - (11 \cdot 4)}{2\,(8^3 + 8 \cdot 11)} = \dfrac{7^3 + 1 - (44)}{2(512 + 8 \cdot 11)} = \dfrac{343 + 1 - (44)}{2(512 + 88)}$

$= \dfrac{344 - (44)}{2(600)} = \dfrac{300}{1200} = \dfrac{3}{12} = \dfrac{1}{4}$

What is the volume of the box?

Show all work, including a picture, Formula, and



$V = l \cdot w \cdot h$

$= 5ft \cdot 5ft \cdot 5ft$

$= 125 ft^3$

Evaluate the expression. Then simplify the answer is possible.

5. $5x - 20 =$

$5(4) - 20$

$20 - 20$

0