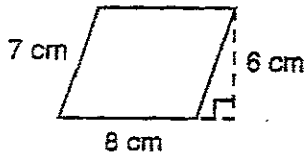


HW 12 Practice Quiz IV 12.8.14

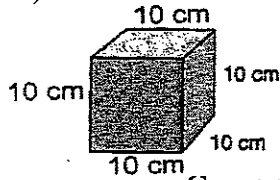
Use Prime Factorization to find the GCF for each pair: 1) 28, 42 2) 12, 54 3) 36, 90 4) 120, 144

Simplify each fraction: 5) $\frac{17}{5}$ 6) $\frac{11}{33}$ 7) $\frac{18}{24}$ 8) $\frac{35}{4}$ 9) $\frac{32}{7}$ 10) $\frac{15}{40}$ 11) $\frac{40}{60}$

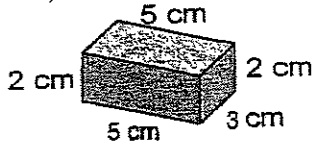
12) Find area.



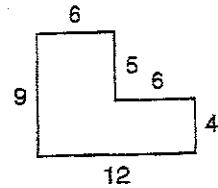
13) Find volume.



14) Find volume.



15) Find area in feet.



Solve each equation. You may use Guess and Check.

16) $x^2 = 16$

17) $3y = 54$

18) $\frac{m}{2} = 60$

19) $5 + n = 113$

Evaluate. Simplify your fractions.

20) $\frac{7}{10} + \frac{3}{4}$

21) $\frac{5}{7} - \frac{1}{2}$

22) $\frac{11}{12} - \frac{3}{4}$

23) $\frac{7}{9} + \frac{2}{3}$

Evaluate when $w = -3$, $x = 3$, $y = 4$ and $z = 5$.

24) yw

25) $y + wz$

26) yz^2

27) $(yz)^2$

28) Find the difference of $\frac{7}{8}$ and $\frac{5}{8}$.

29) Graph $R = 2\frac{1}{2}$, $S = -1\frac{1}{2}$ and $T = -3\frac{1}{2}$:

