

Summer Math 6 Review - BONUS

Simplify each expression. No calculator.

1) $7 + 4 + 2 - 2$

2) $0.9 + 5.7$

3) $7 - 2.2$

4) $1.8 + 3.9 + 5.77$

5) $\frac{7}{4} - \frac{10}{7}$

6) $\frac{7}{8} + 1\frac{2}{3}$

7) $(3)(3)(10)$

8) $(9)(7.2)$

9) $\frac{8}{5} \times \frac{3}{2} \times \frac{1}{2}$

10) $1\frac{1}{6} \cdot 3\frac{1}{2}$

11) $\frac{4}{3} \div 2$

12) $\frac{2}{3} \div \frac{1}{2}$

13) $(6 + 4) \cdot 3$

14) $6 \cdot 2 - 5$

15) $(2 + 5) \cdot 2 + 6 - 1$

16) $\frac{2}{3} + \frac{3}{5} \times 2$

Solve using ratios.

17) Scott bought one package of strawberries for \$3. How many packages can Shawna buy if she has \$15?

18) Julia was planning a trip to China. Before going, she did some research and learned that the exchange rate is \$1 for 8 Yuan. How many Yuan would she get if she exchanged \$3?

Write each as an algebraic expression.

19) r decreased by 9

20) d increased by 8

21) the product of c and 10

22) p more than 9

Evaluate each using the values given. No calculator.

23) $2j - h$; use $h = 1$, and $j = 6$

24) $3 + p + m$; use $m = 1$, and $p = 2$

Solve each equation using algebra. Be sure to show inverse operations.

25) $a - 62 = 30$

26) $b + 3 = 13$

27) $8x = 96$

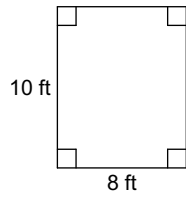
28) $\frac{x}{2} = 19$

29) $456 = a - 44$

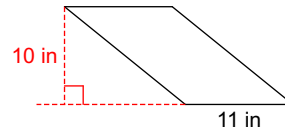
30) $318x = 3816$

Find the area of each. Calculator permitted.

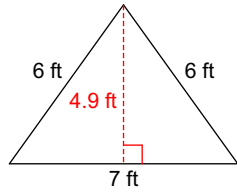
31)



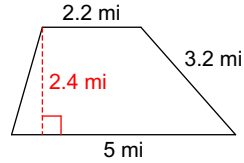
32)



33)



34)

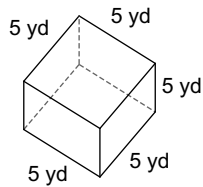


35) Find the perimeter of the figure shown in problem 31.

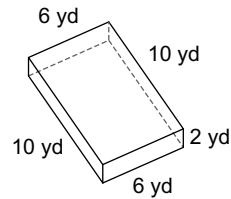
36) Find the perimeter of the figure shown in problem 33.

Find the volume of each figure. Calculator permitted.

37)

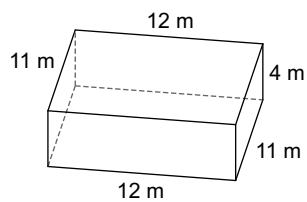


38)



Find the surface area of each figure. Calculator permitted.

39)



40)

