

**Chapter 1-4 Cumulative Review Exercises**

1. 5,434,700

2. 5,430,000

3. THE STOCK MARKET  
Approx 11,555 at 10:30 A.M.

4. BANKS  
The hundred billions place

$$\begin{array}{r} 4,679 \\ +3,457 \\ \hline 8,136 \end{array}$$

$$\begin{array}{r} 7,897 \\ -4,378 \\ \hline 3,519 \end{array}$$

$$\begin{array}{r} 5,345 \\ \times \quad 56 \\ \hline 32,070 \\ 267,250 \\ \hline 299,320 \end{array}$$

$$\begin{array}{r} 991 \\ 35 \overline{)34685} = 991 \\ \underline{315} \\ 318 \\ \underline{315} \\ 35 \\ \underline{35} \\ 0 \end{array}$$

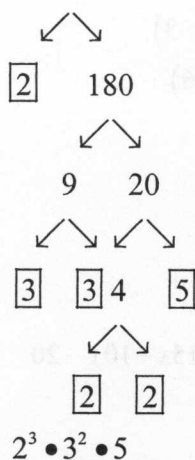
9.  $P = \text{perimeter of pool}$   
 $P = 2(150) + 2(75)$   
 $P = 300 + 150$   
 $P = 450 \text{ ft}$

10.  $A = \text{area of the pool}$   
 $A = (75)(150)$   
 $A = 11,250 \text{ ft}^2$

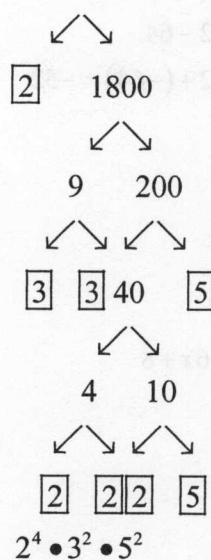
11. 
$$\begin{array}{c} 84 \\ \swarrow \quad \searrow \\ 4 \quad 21 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ \boxed{2} \quad \boxed{2} \quad \boxed{3} \quad \boxed{7} \\ 2^2 \cdot 3 \cdot 7 \end{array}$$

12. 
$$\begin{array}{c} 450 \\ \swarrow \quad \searrow \\ \boxed{2} \quad 225 \\ \swarrow \quad \searrow \\ 9 \quad 25 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ \boxed{3} \quad \boxed{3} \quad \boxed{5} \quad \boxed{5} \\ 2 \cdot 3^2 \cdot 5^2 \end{array}$$

13. 360



14. 3600



15.  $6 + (-2)(-5) = 6 + 10$   
 $= 16$

16.  $(-2)^3 - 3^3 = -8 - 27$   
 $= -8 + (-27)$   
 $= -35$

17.  $\frac{2(-7) + 3(2)}{2(-2)} = \frac{-14 + 6}{-4}$   
 $= \frac{-8}{-4} = 2$

18.  $\frac{2(3^2 - 4^2)}{-2(3) - 1} = \frac{2(9 - 16)}{-6 - 1} = \frac{2(9 + [-16])}{-6 + (-1)}$   
 $= \frac{2(-7)}{-7} = \frac{-14}{-7} = 2$

19.  $x + 15$

20.  $x - 8$

21.  $4x$

22.  $\frac{x}{10}$

23.  $2(4) - 1 = 8 - 1$   
 $= 7$

24.  $\frac{9(4)}{2} - 4 = \frac{36}{2} - 4$   
 $= 18 - 4 = 14$

