

1.5 Order of Operations

$$\#22. 6 \div 2 \cdot 3 = 3 \cdot 3 = 9$$

Wrong! $6 \div 2 \cdot 3 = 6 \div 6 = 1$

$$\#28. 3^3 \cdot 5 = 27 \cdot 5 = 135$$

$$\#46. 5^2 - (9 + 3) = 25 - 12 = 13$$

$$\#62. 2(6 - 4)^2 = 2(2)^2 = 2 \cdot 4 = 8$$

$$\#68. 8[6(6) - 6^2] + 4(5)$$

$$= 8[36 - 36] + 20$$

$$= 8[0] + 20$$

$$= 0 + 20 = 20$$

$$\#70. \frac{18+12}{2(3)} = \frac{30}{6} = 5$$

$$\#72. \frac{3^2-2^2}{(3-2)^2} = \frac{9-2}{1^2} = 7$$

$$\#74. \frac{25-(2 \cdot 3-1)}{2 \cdot 9-8} = \frac{25-(6-1)}{18-8} = \frac{25-5}{10} = \frac{20}{10} = 2$$

$$\#76. \frac{(4^3-2)+7}{5(2+4)-7} = \frac{(64-2)+7}{5(6)-7} = \frac{62+7}{30-7} = \frac{69}{23} = 3$$

$$\#78. \frac{897-655}{88-77} = \frac{242}{11} = 22$$

$$\#80. \frac{24^2-4^2}{22+58} = \frac{576-16}{80} = \frac{560}{80} = 7$$