

Solutions To Looking Back Questions: 15

- (A) The monster burger costs $\$7.00 - \$4.50 = \$2.50$ more than the plain burger. Since the monster burger costs three times as much as the plain burger, the plain burger must cost $\$2.50 \div 2 = \1.25 and the monster burger must cost $3 \times \$1.25 = \3.75 . Therefore the lunch box must cost $\$4.50 - \$1.25 = \$3.25$. A check of our calculation using the monster burger prices also shows that the lunch box costs $\$7.00 - 3.75 = \3.25 .
- (B) The chocolate icing costs $\$8.30 - \$6.50 = \$1.80$ more than the sprinkles. So the sprinkles must cost $\$1.80 \div 2 = \0.90 and the chocolate icing must cost $3 \times \$0.90 = \2.70 . Therefore, the yellow cake with no icing must cost $\$8.30 - \$2.70 = \$5.60$. A check of our calculation using the yellowcake and sprinkles prices also shows that the yellow cake costs $\$6.50 - \$0.90 = \$5.60$.
- (C) The chocolate icing costs $\$8.30 - \$6.50 = \$1.80$ more than the sprinkles. So the sprinkles must cost $\$1.80 \div 3 = \0.60 and the chocolate icing must cost $4 \times \$0.60 = \2.40 . Therefore, the yellow cake with no icing must cost $\$8.30 - \$2.40 = \$5.90$. A check of our calculation using the yellow cake and sprinkles prices also shows that the yellow cake costs $\$6.50 - \$0.60 = \$5.90$.
- (D) If the Scottie dog bank costs the same amount as the music box, the bank and the music box would have cost $\$8.30 - \$1.00 = \$7.30$ instead of $\$8.30$. This way the bank and the music box would have cost $\$7.30 \div 2 = \3.65 each. Since the Scottie dog bank actually costs one dollar more than the music box, the music box costs $\$3.65$ and the Scottie dog bank must cost $\$3.65 + \$1.00 = \$4.65$.