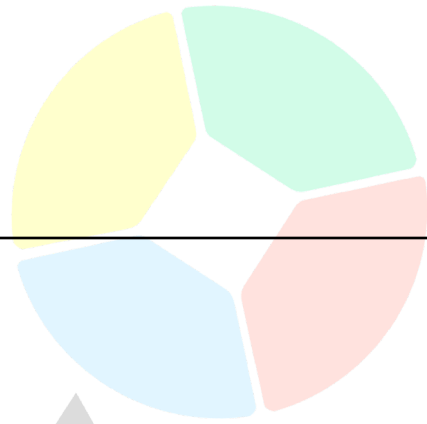


ANSWER KEY

QUESTION	CORRECT ANSWER
1	<p>E Given: Bread = \$8.45 Paid two \$5 bills</p> <p>Solution: Change = $10 - 8.45$ Change = \$1.55</p>
2	<p>A Given: Paid = \$15 Change = \$3.20</p> <p>Solution: Hammer = $15 - 3.20$ Hammer = \$11.8</p>
3	<p>C Given: Gloves = \$18.45 Anna has \$12</p> <p>Solution: Need = $18.45 - 12$ Need = \$6.45</p>
4	<p>B Given: 5 cookies = \$6.5</p> <p>Solution: 5 cookies = \$6.5 1 cookie = $\frac{6.5}{5}$ 1 cookie = \$1.3</p>


5	<p>D</p> <p>Given:</p> <p>Box of crayons = \$9.95</p> <p>Box of pencils = \$6.75</p> <p>Solution:</p> <p>Total = $9.95 + 6.75$</p> <p>Total = \$16.7</p>
6	<p>E</p> <p>Given:</p> <p>3 cans = \$4.5 each</p> <p>Paid = \$20</p> <p>Solution:</p> <p>Change = $20 - (3(4.5))$</p> <p>Change = $20 - 13.5$</p> <p>Change = \$6.5</p>
7	<p>D</p> <p>Given:</p> <p>2 paperback books = \$13.95 each</p> <p>1 hardbound book = \$22.85</p> <p>Solution:</p> <p>Total = $2(13.95) + 22.85$</p> <p>Total = \$50.75</p>
8	<p>A</p> <p>Given:</p> <p>4 Roses = \$3.20 each</p> <p>5 Carnation = \$1.8 each</p> <p>Padi = \$30</p> <p>Solution:</p> <p>Total cost = $4(3.2) + 5(1.8)$</p> <p>Total cost = $12.8 + 9$</p> <p>Total cost = 21.8</p> <p>Change = $30 - 21.8$</p> <p>Change = \$8.2</p>



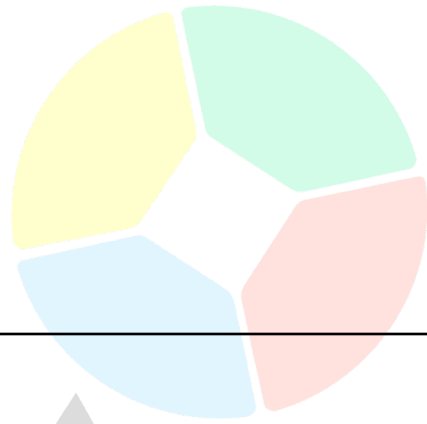
9	<p>C</p> <p>Given: Stamp = 30 cents Roll = 75 stamps</p> <p>Solution: Roll = $0.3(75)$ Roll = \$22.5</p>
10	<p>B</p> <p>Given: 1 box light bulbs = \$36.6 1 box = 12 dozen</p> <p>Solution: Light bulb = $\frac{36.6}{12}$ Light bulb = \$3.05</p>
11	<p>D</p> <p>Given: Andy = \$48 Spent = $\frac{1}{4}$ money</p> <p>Solution: Left = $48 - 48(\frac{1}{4})$ Spent = \$36</p>
12	<p>C</p> <p>Given: Sugar = \$7.2 Tomato = \$13.5 Chips = \$4.6</p> <p>3 bags of sugar, 4 cans of tomato soup, and a bag of chips</p> <p>Solution: Total cost = $3(7.2) + 4(13.5) + 4.6$ Total cost = $21.6 + 54 + 4.6$ Total cost = \$80.2</p>

13	<p>A</p> <p>Given:</p> <p>6 meters of fabric</p> <p>Fabric = \$25.35 per meter</p> <p>Spool of thread = \$8.50</p> <p>Paid = \$200</p> <p>Solution:</p> <p>Total cost = $6(25.35) + 8.5$</p> <p>Total cost = $152.1 + 8.5$</p> <p>Total cost = \$160.6</p> <p>Change = $200 - 160.6$</p> <p>Change = \$39.4</p>
14	<p>B</p> <p>Given:</p> <p>Soda = \$4.5</p> <p>Paid = \$50</p> <p>Change = \$7.25</p> <p>Solution:</p> <p>Soda + 3 Chips = $50 - 7.25$</p> <p>Soda + 3 Chips = \$42.75</p> <p>$4.5 + 3 \text{ Chips} = \\42.75</p> <p>3 chips = 38.25</p> <p>Chips = \$12.75</p>
15	<p>D</p> <p>Given:</p> <p>12 cupcakes and 15 muffins</p> <p>Cupcake = 85 cents each</p> <p>Muffins = 65 cents</p> <p>Solution:</p> <p>Money = $12(0.85) + 15(0.65)$</p> <p>Money = $10.2 + 9.75$</p> <p>Money = 19.95</p>



16	<p>E Given: Hat = $\frac{1}{6}$ money Bag = $\frac{1}{2}$ money Money = \$48</p> <p>Solution: Hat = $48(\frac{1}{6})$ Hat = \$8</p> <p>Bag = $48(\frac{1}{2})$ Bag = \$24</p> <p>Left = $48 - 8 - 24$ Left = \$16</p> 
17	<p>B Given: Regular = \$80 Discounted 10%</p> <p>Solution: Discounted = $80 - 80(0.1)$ Discounted = \$72</p>
18	<p>A Given: Video game = $\frac{4}{7}$ of his money Left = \$63</p> <p>Solution: Let M = money $63 = M - \frac{4}{7}M$ $\frac{3}{7}M = 63$ $3M = 441$ $M = \\$147$</p> <p>Spent = $147(\frac{4}{7})$ Spent = \$84</p>

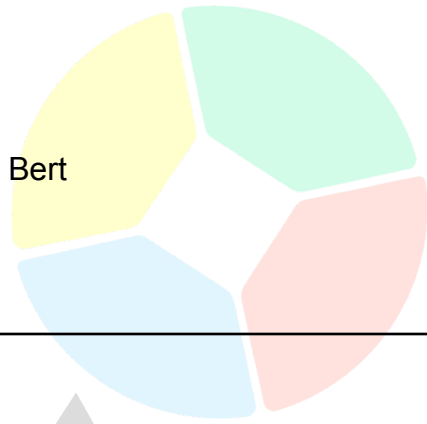
19	<p>D</p> <p>Given:</p> <p>Spaghetti = \$36.95</p> <p>2 Bags of pasta = \$14.35</p> <p>$\frac{1}{2}$ kg of beef = \$18 per kg</p> <p>Solution:</p> <p>Total cost = $36.95 + 2(14.35) + \frac{1}{2}(18)$</p> <p>Total cost = $36.95 + 28.7 + 9$</p> <p>Total cost = \$74.65</p>
20	<p>C</p> <p>Given:</p> <p>13 cans of paint</p> <p>Paid = \$200</p> <p>Change = \$26.45</p> <p>Solution:</p> <p>13 cans of paint = $200 - 26.45$</p> <p>13 cans of paint = \$173.55</p> <p>13 cans of paint = \$173.55</p> <p>1 can of paint = \$13.35</p>
21	<p>B</p> <p>Given:</p> <p>Adam bought a hoodie, a jacket, and two t-shirts</p> <p>Hoodie = \$36.75</p> <p>T-shirt = \$9.95</p> <p>Paid = \$100</p> <p>Change = \$18.50</p> <p>Solution:</p> <p>Let X = Price of Jacket</p> <p>$100 = 36.75 + 9.95 + X + 18.5$</p> <p>$100 = X + 65.2$</p> <p>$X = \\34.8</p>



22	<p>C</p> <p>Given:</p> <p>3 Bottles = \$16.25 per bottle</p> <p>Cotton balls = \$4.85</p> <p>Paid = \$60</p> <p>Solution:</p> <p>Change = $60 - 3(16.25) - 4.85$</p> <p>Change = $60 - 48.75 - 4.85$</p> <p>Change = \$6.4</p>
23	<p>A</p> <p>Given:</p> <p>2 Adults + 3 Children = \$39.95</p> <p>Children = \$5.35</p> <p>Solution:</p> <p>2 Adults + $3(5.35) = 39.95$</p> <p>2 Adults = $39.95 - 16.05$</p> <p>Adult = \$11.95</p>
24	<p>E</p> <p>Given:</p> <p>Chocolate bar = $\frac{1}{5}$ money</p> <p>Gum = 60 cents</p> <p>Left = \$1.4</p> <p>Solution:</p> <p>Money = $\frac{1}{5}$ Money + 0.6 + 1.4</p> <p>$\frac{4}{5}$ Money = 2</p> <p>4 Money = 10</p> <p>Money = \$2.5</p>
25	<p>B</p> <p>Given:</p> <p>Money = \$14</p> <p>20 cents coins</p> <p>Solution:</p> <p>Number of coins = $\frac{1400 \text{ cents}}{20 \text{ cents}}$</p> <p>Number of coins = 70 coins</p>

26	<p>D Given: Jeff found three 20-cent coins, eleven 10-cent coins, and some 5-cent coins.</p> <p>Solution: Total = \$2.05 Let X = number of 5 cents coin</p> $3(0.2) + 11(0.1) + X(0.05) = 2.05$ $0.05X = 0.35$ <p>X = 7</p>
27	<p>B Given: Eyeglasses = 45% of money Cleaner = 20% of money Left = \$63</p> <p>Solution: Let M = money</p> $M = 0.45M + 0.2M + 63$ $0.35M = 63$ $M = \$180$ <p>Eyeglasses = $0.45(180)$ Eyeglasses = \$81</p>
28	<p>A Given: Conditioner + Detergent = \$35 Detergent = Conditioner + 3</p> <p>Solution: Conditioner + Detergent = \$35 Conditioner + Conditioner + 3 = \$35 $2(\text{Conditioner}) = 32$ Conditioner = \$16</p>

29	<p>C Given: Bert + Ernie = \$72 Bert = $\frac{1}{2}$ Ernie</p> <p>Solution: Bert + Ernie = \$72 ← Substitute Ernie = 2 Bert Bert + 2(Bert) = \$72 3 (Bert) = 72 Bert = \$24</p>
30	<p>B Given: Shoulder bag = \$36 Belt = \$27 Left = \$45</p> <p>Solution: Money = 36 + 27 + 45 Money = \$108</p> <p>Fraction = $\frac{36}{108}$ Fraction = $\frac{1}{3}$</p>



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