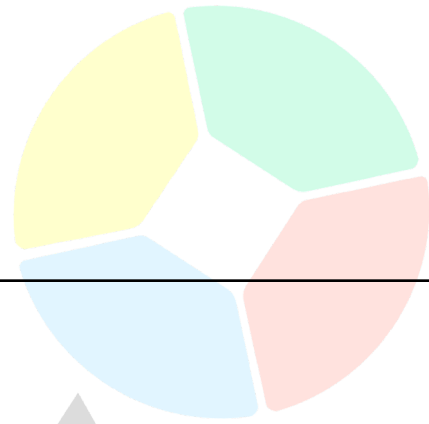
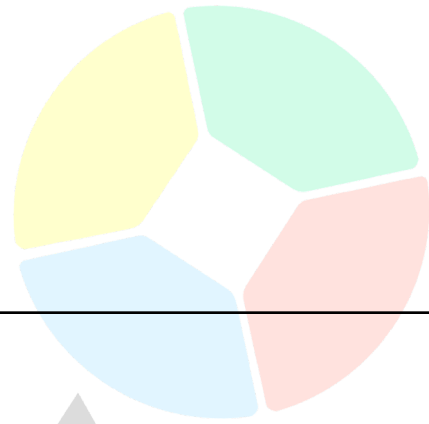


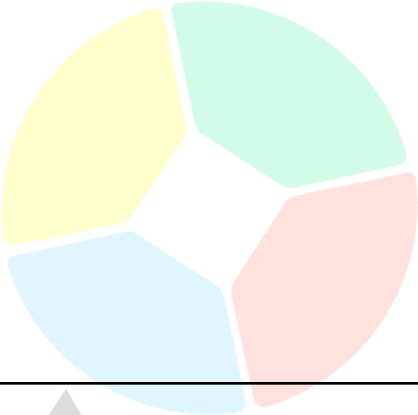
ANSWER KEY

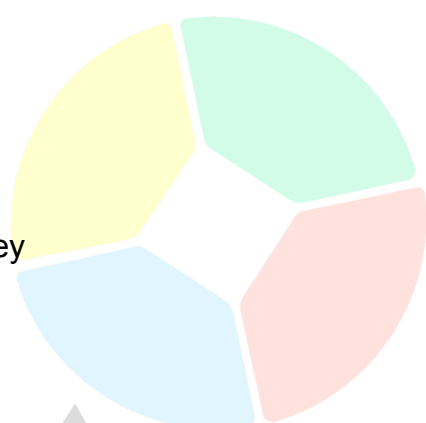
QUESTION	CORRECT ANSWER
1	<p>D</p> <p>Given: 54 km per liter Cost \$15.5 per liter 378 km</p> <p>Solution: Petrol needed = $\frac{378}{54}$ Petrol needed = 7 Liters</p> <p>Cost = 7(15.5) Cost = \$108.50</p>
2	<p>E</p> <p>Given: Bag = \$19.95 3 Shirt for \$8.6 each Left = \$16.5</p> <p>Solution: Total = 16.5 + 19.95 + 3(8.6) Total = \$62.25</p>
3	<p>B</p> <p>Given: 3 notebooks = \$19.5 7 notebooks = ?</p> <p>Solution: 3 notebooks = \$19.5 1 notebook = $\frac{19.5}{3}$ 1 notebook = \$6.5</p> <p>7 notebooks = 6.5(7) 7 notebooks = \$45.50</p>



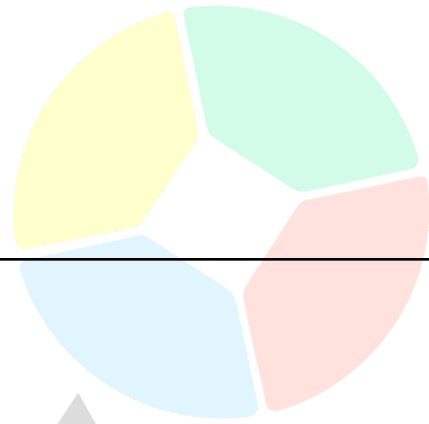




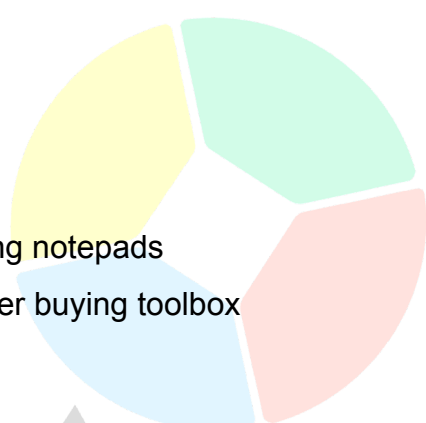
15	<p>A</p> <p>Given: cheese = 15 cents per gram Burrito = 8 grams Taco = 3 grams</p> <p>Solution: Total cheese = $8(5) + 3$ Total cheese = 43 grams</p> <p>Cost = $43(0.15)$ Cost = \$6.45</p> 
16	<p>E</p> <p>Given: Game = \$36 \$6 monthly Played for 8 months</p> <p>Solution: Total = $36 + 8(6)$ Total = \$84</p>
17	<p>C</p> <p>Given: Hotdog = \$1.5 Chips = 75 cents or \$0.75 Soda = \$2.2 Left = \$4.55</p> <p>Solution: Money = $1.5 + 0.75 + 2.2 + 4.55$ Money = \$9</p>

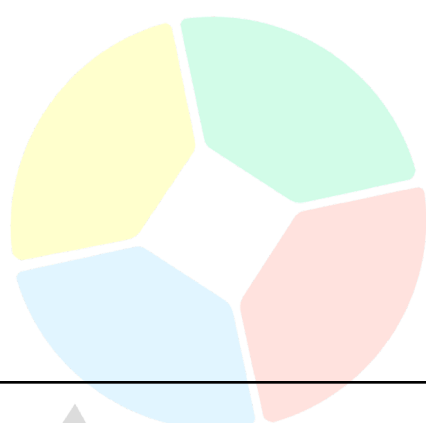
18	<p>A</p> <p>Given:</p> <p>Baseball cards = $\frac{3}{8}$Money</p> <p>Snacks = $\frac{1}{4}$Money</p> <p>Left = \$13.5</p> <p>Solution:</p> <p>Left on fraction = Money - $\frac{3}{8}$Money - $\frac{1}{4}$Money</p> <p>Left on fraction = $\frac{3}{8}$Money</p> <p>$\frac{3}{8}$Money = 13.5</p> <p>3 Money = 108</p> <p>Money = \$36</p> <p>Baseball cards = $\frac{3}{8}$Money</p> <p>Baseball cards = $\frac{3}{8}$(36)</p> <p>Baseball cards = \$13.50</p> 
19	<p>B</p> <p>Given:</p> <p>Candy bar = \$6</p> <p>12 candy bars</p> <p>Sold all but seven candy bars</p> <p>Solution:</p> <p>Sold = 6(12 - 7)</p> <p>Sold = 6(5)</p> <p>Sold = \$30</p>
20	<p>C</p> <p>Given:</p> <p>Earns \$7.5 per hour</p> <p>Total Friday and Saturday = \$112.5</p> <p>Friday = 7 hours</p> <p>Solution:</p> <p>Let X = time on Saturday</p> <p>112.5 = 7.5(7) + 7.5(X)</p> <p>112.5 = 52.5 + 7.5X</p> <p>7.5X = 60</p> <p>X = 8 hours</p>

21	<p>B Given: Withdraw = \$800 in 20 dollar bill denomination</p> <p>Solution: Number of 20 dollar bills = $\frac{800}{20}$ Number of 20 dollar bills = 40</p>
22	<p>E Given: Jack + Jill = \$152 Jack = Jill + 24</p> <p>Solution: Jill + 24 + Jill = 152 2 Jill = 128 Jill = \$64</p>
23	<p>A Given: Money \$104 Video game = 45% Cap = 35% Snacks = Rest</p> <p>Solution: Percentage on snacks = 100% - 45% - 35% Percentage on snacks = 20%</p> <p>Snacks = 0.20 (104) Snacks = \$20.80</p>

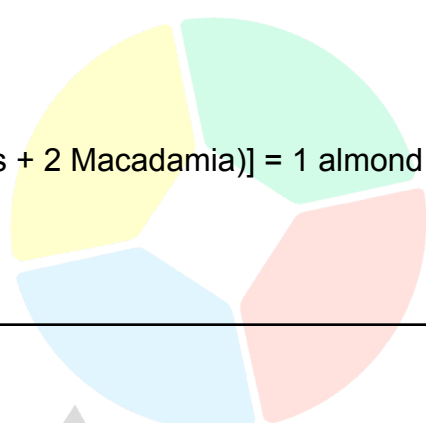


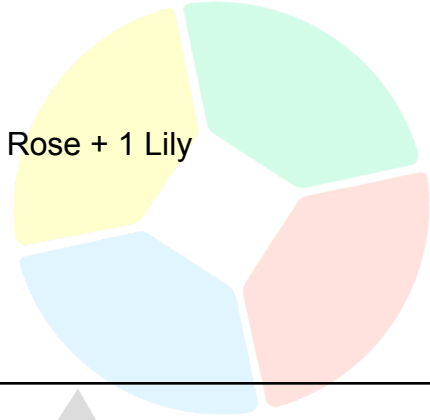
Scholarly

24	<p>D</p> <p>Given:</p> <p>Notepads = $\frac{1}{3}$Money</p> <p>Toolbox = $\frac{3}{4}$ of remaining</p> <p>Left = \$16</p> <p>Solution:</p> <p>Money - $\frac{1}{3}$ money = $\frac{2}{3}$ money ← After buying notepads</p> <p>$\frac{2}{3}$ money - $\frac{2}{3}$ money ($\frac{3}{4}$) = $\frac{1}{6}$Money ← After buying toolbox</p> <p>$\frac{1}{6}$Money = 16</p> <p>Money = \$96</p> 
25	<p>C</p> <p>Given:</p> <p>Money = \$88</p> <p>Candy bar = \$12</p> <p>3 packs of gum</p> <p>Left = \$57.4</p> <p>Solution:</p> <p>3 packs of gum = 88 - 12 - 57.4</p> <p>3 packs of gum = 18.6</p> <p>Each pack of gum = $\frac{18.6}{3}$</p> <p>Each pack of gum = \$6.20</p>
26	<p>E</p> <p>Given:</p> <p>Monthly income = \$2680</p> <p>5% = savings</p> <p>9 months</p> <p>Solution:</p> <p>9 months savings = 2680(9)(0.05)</p> <p>9 months savings = \$1 206</p>

27	<p>B Given: Entertainment set = \$720 Saved = \$300 6 weeks Solution: Money needed = 720 - 300 Money needed = \$420</p> <p>Money needed per week = $\frac{420}{6}$ Money needed per week = \$70</p> 
28	<p>A Given: Notepad = $\frac{1}{2}$ Money 4 pencil = \$1.75 each Left = \$1</p> <p>Solution: Money = $\frac{1}{2}$ Money + 1.75(4) + 1 $\frac{1}{2}$ Money = 8 Money = \$16</p>
29	<p>B Given: Apples = \$3.5 each Pack of 3 = \$10 12 apples</p> <p>Solution: If per piece: 12(3.5) = \$42</p> <p>If per pack $\frac{12}{3}$ (10) = \$40</p> <p>Saved = 42 - 40 Saved = \$2</p>

30	<p>D Given: Apricots = \$8.5 per kg \$40 = ?</p> <p>Solution: Number of kilograms = $\frac{40}{8.5}$ Number of kilograms = 4.71 ← Round down since we can only buy per whole kg</p> <p>Therefore the answer is 4 kg</p>
31	<p>E Given: Doll = \$12 Save \$5 Saves 35 cents per day</p> <p>Solution: Money needed = 12 - 5 Money needed = \$7</p> <p>Number of days = $\frac{7}{0.35}$ Number of days = 20 days</p>
32	<p>A Given: 4 Wrenches + 3 Screwdrivers = \$47.5 8 Wrenches + 7 Screwdrivers = \$99.5</p> <p>Solution: 8 Wrenches + 7 Screwdrivers - [(2)(4 Wrenches + 3 Screwdrivers)] = 1 Screwdriver</p> <p>1 Screwdriver = 99.5 - 2(47.5) 1 Screwdriver = \$4.50</p>
33	<p>B Given: Amy has five \$50 , five \$20 and eleven \$5</p> <p>Solution: Total money = 5(50) + 5(20) + 11(5) Total money = \$405</p>

34	<p>D Given: 7 almonds + 5 Macadamia = \$41 3 almonds + 2 Macadamia = \$17</p> <p>Solution: (7 almonds + 5 Macadamia) - [(2)(3 almonds + 2 Macadamia)] = 1 almond + 1 Macadamia 1 almond + 1 Macadamia = 41 - (2)(17) 1 almond + 1 Macadamia = \$7</p> 
35	<p>E Given: Blender = $\frac{3}{5}$ money Ice cream = $\frac{1}{2}$ remaining Left = \$27.20</p> <p>Solution: Let M = Money $M - \frac{3}{5}M = \frac{2}{5}M$ ← After buying the blender</p> <p>$\frac{2}{5}M - \frac{2}{5}M(\frac{1}{2}) = \frac{1}{5}M$ ← after buying ice cream</p> <p>$\frac{1}{5}M = 27.20$ M = \$136</p>
36	<p>E Given: Bert + Ernie = \$50 After Bert spent \$20 and Ernie spent \$10 they have now equal money</p> <p>Solution: Let B = Bert money Ernie = 50 - B</p> <p>$B - 20 = E - 10$ $B - 20 = (50 - B) - 10$ $2B = 60$ B = \$30</p>



40

A

Given:

$$3 \text{ Regular} + 4 \text{ Fancy} = \$50$$

$$5 \text{ Regular} + 8 \text{ Fancy} = \$94$$

Solution:

$$[(2)(3 \text{ Regular} + 4 \text{ Fancy})] - (5 \text{ Regular} + 8 \text{ Fancy}) = 1 \text{ Regular}$$

$$1 \text{ Regular} = 2(50) - 94$$

$$1 \text{ Regular} = \$6$$

$$3 \text{ Regular} + 4 \text{ Fancy} = \$50$$

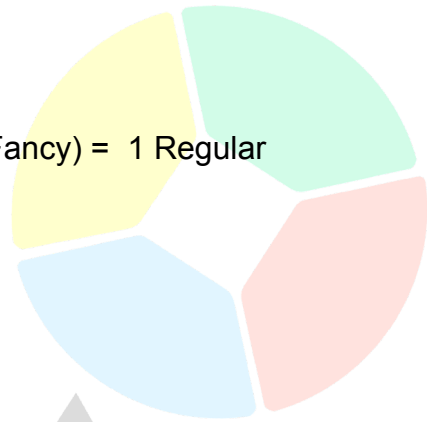
$$3(6) + 4 \text{ Fancy} = \$50$$

$$4 \text{ Fancy} = 32$$

$$\text{Fancy} = \$8$$

$$\text{Fancy} - \text{Regular} = 8 - 6$$

$$\text{Fancy} - \text{Regular} = \$2$$



Scholarly