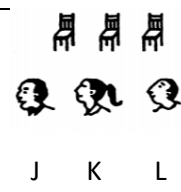
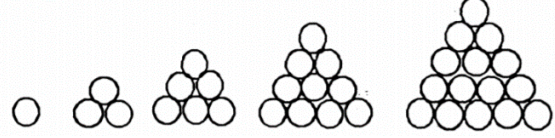


<p>1. From the question, we know that Stan earns 20¢ for every glass of lemonade he sells. Stan earns \$20, which is 2000¢, so he sells $2000¢ \div 20¢ = 100$ glasses of lemonade. D. 100</p>	
<p>2. The sum of my quarters (\$0.25), dimes (\$0.10) and nickels (\$0.05) will be either be in the form (\$xx.x0) or (\$xx.x5) (the values of x is irrelevant because we only care about the last digit). Add 8 pennies (\$0.08), the total will end with a 3 or an 8. D. \$21.93</p>	<p>3. If 20 years ago Allen was half as old as he is today, then today he is 40. Thus, 10 years ago he was 30. B. 30</p>
<p>4. If the sum of 7 whole numbers is even, there must be an even number of odd numbers. The largest possible number of odd numbers could be 6. A. 6</p>	<p>5. (10 hundreds) + (10 ones) = 1000 + 10 = 1010 = 101 tens. B. 101</p>
<p>6. What is the least common multiple (lcm) for 4, 6 and 8? $4=2 \times 2$, $6=2 \times 3$, $8=4 \times 2$, so the lcm for 4, 6 and 8 is $2 \times 2 \times 3 \times 2=24$. The number of meatballs is divisible by 4, 5, 6, 7, and 8. The lcm of 4, 5, 6, 7, and 8 is $2 \times 2 \times 5 \times 3 \times 7 \times 2 = 840$. C. 840</p>	<p>7. Charlie grills 3 hot dogs for every 8 hamburgers he grills, so we can consider 3 hot dogs and 8 hamburgers as one group. If he grills 48 hamburgers, that is 6 groups of 8 burgers. So he grills $6 \times 3 = 18$ hot dogs. A.18</p>
<p>8. Method (1): Let my age in years = X, then my age in months = (12)(X). From the question, we know that $(12)X - X = 99$. So $(12)X - X = (11)X = 99$. $X = 9$. Method (2): If my age in months= 12, then my age in years = 1. If my age in months= 24, then my age in years = 2. (I would continue the pattern until I get the age in months > 99). If my age in months= 108, then my age in years = 9. $108 - 9 = 99$, so my age in years = 9 A. 9</p>	<p>9. $1 + 3 + 5 + 7 + 9 + \dots + 99 = 2500$</p> $= 1 + 3 + 5 + 7 + 9 + \dots + 99 + 101 - 1$ $= 1 + 3 + 5 + 7 + 9 + \dots + 99 + 101 - 1$ $= 2500 + 101 - 1$ $= 2600$ <p>B. 2600</p>
<p>10. My aunt can fold 4 paper cranes in 1 minute. My uncle can fold 3 paper cranes in 1 minute. Together they fold 7 paper cranes in 1 minute. It takes them $42 \div 7 = 6$ minutes to fold 42 paper cranes. A.6 minutes</p>	<p>11. Work backwards. Alfonse's rat is $6 \times 4 = 24$ mm tall. His cat is $8 \times 24 = 192$ mm tall. His high chair is $10 \times 192 = 1920$ mm tall D. 1920 mm</p>
<p>12. If Ray ran for the first time last month on a Monday, then he ran on Wed., Fri., Sun., Tues., Thurs., Sat., Mon., Wed., and Fri. The tenth day was a Friday C. Friday</p>	<p>13. List the ways the 3 students (J, K, and L) can be arranged?</p> <p>JKL JLK KJL KLJ LJK LKJ</p> <p>C.6</p> 
<p>14.</p>  <p>The Tenth Figure:</p> <p>1 1+2 1+2+3 1+2+3+4 1+2+3+4+5</p> <p>$1+2+3+4+5+6+7+8+9+10 = 55$</p>	