



## **Grade K →1 Summer Homework Math Package**

It is important that you keep practicing your mathematical Knowledge over the summer to be ready for **1<sup>st</sup> grade**.

In this Package you will find a calendar of activities for the months of July and August.

What should you do?

- Use your math notebook for every-day practice. For each day you will need 1 or 2 pages. Write neatly; skip the rows between the lines.
- Start each day with vocabulary words: copy each word from the given day-list, find and write the meaning of each word in your notebook. Use the internet to find the meaning of each word you do not know:

[www.amathsdictionaryforkids.com/dictionary.html](http://www.amathsdictionaryforkids.com/dictionary.html)

You may draw a picture or give an example if the definition is too hard.


- Solve the problem of the day and write the solution with full explanation
- Have the date of the entry. Have a clear and complete answer. Be neat and organized.

Do not forget to bring your notebook to school on September 1, 2016 - the first school day.

**Have a Great Summer!!**


# Big Apple Academy

# Mathematics Department

<b>July</b>  <b>K → 1</b> <b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Fridays</b>	<b>Saturday</b>	<b>Incoming 1st Grade</b>		
Circle Square Dime  <b>4</b>	Rectangle Triangle Quarter  <b>5</b>	Rhombus Side Dollar  <b>6</b>	Pentagon Hexagon  <b>7</b>	Solid shape Cube Penny  <b>1</b>	Digit Number Nickel  <b>2</b>	<b>Summer Home Work</b>		
Pyramid Sphere  <b>11</b>	Fewer than Cylinder  <b>12</b>	More than Rectangular prism  <b>13</b>	Behind In Front  <b>14</b>	Angle Cone Vertex  <b>8</b>	Addition Subtraction  <b>9</b>	<b>Vocabulary</b>		
Tally marks Tally chart  <b>15</b>	Equal Parts Double  <b>16</b>	Fraction Bar graph  <b>18</b>	Thirds Half/Halves  <b>19</b>	Fourths Fifths  <b>20</b>	Second Eighths  <b>21</b>	Congruent Minute  <b>22</b>	Hour Day  <b>23</b>	
Month Year  <b>25</b>	One Block Ten Block  <b>26</b>	Greater than Compare  <b>27</b>	In all How Many More?  <b>28</b>	Total Less Each  <b>29</b>	All Together Take Away  <b>30</b>			

# July

K → 1

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Incoming 1st Grade																		
<p>Draw a circle, a square, and a rectangle. Draw lines to show halves. Draw the shapes again and show thirds. <b>4</b></p>	<p>Nathan has 20 coins. He gives 10 coins away. How many coins does he have left? 5 dimes = ___ 4 nickels = ___ <b>5</b></p>	<p>Make a bar graph. "Sports We Like" 5 kids like soccer 3 kids like tennis 4 kids like golf</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Soccer</td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Tennis</td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Golf</td> <td></td><td></td><td></td><td></td><td></td> </tr> </table>	Soccer						Tennis						Golf						<p>Oliver saved 25 cents. Joe saved 15 cents less than Oliver. How much money did Joe save? How much more did Oliver save? <b>7</b></p>	<p>Compare 34 ___ 32    74 ___ 47 56 ___ 19    85 ___ 63 Write the numbers 34, 65, 32, 89, 68 in order from least to greatest. <b>1</b></p>	<p>How many <b>sides</b> do a pentagon and a square have all together? How many fewer angles does a triangle have than a hexagon? <b>2</b></p>	
Soccer																								
Tennis																								
Golf																								
<p>Draw a square inside a triangle. Draw a pentagon next to a rectangle. Color <math>\frac{1}{2}</math> of the rectangle and <math>\frac{1}{3}</math> of the square. <b>8</b></p>	<p>My number has 8 ones and 2 tens. My number is ___ My number has 3 tens and 4 more ones than tens. My number is ___ <b>9</b></p>	<p>Make a bar graph. "Foods we Like" 7 like chips 9 like tacos 3 like French fries <b>13</b></p>	<p>There are 16 boys and 52 girls. How many children are there in all? Is it more than 100? <b>14</b></p>	<p>How many <b>vertices</b> do 2 hexagons have together? 4 dogs have ___ legs, ___ tails, and ___ eyes. <b>15</b></p>	<p>Skip counting By 2: 14 ___ ___ ___ By 10: 7 ___ ___ ___ By 5: 15 ___ ___ ___ <b>16</b></p>	<p><b>Summer Home Work</b></p>																		
<p>A boy bought 2 pairs of shoes for \$24 each. How much money did he spend? <b>11</b></p>	<p>John has 21 cherries. Jill has 10 fewer than John. How many cherries does Jill have? <b>12</b></p>	<p>Draw ten blocks and one blocks to find each answer: 34+25=___ 78-34=___ 6+48=___ 36-34=___ <b>20</b></p>	<p>Sam had 20 coins, he lost all his coins except one dime. How much money does he have? <b>21</b></p>	<p>A circle is divided into 4 equal parts. Shade <math>\frac{3}{4}</math> of it. Shade <math>\frac{1}{3}</math> of another circle <b>22</b></p>	<p>Skip counting By 2: 14 ___ ___ ___ By 10: 7 ___ ___ ___ By 5: 15 ___ ___ ___ <b>16</b></p>	<p><b>Problem of the day</b></p>																		
<p>What 2 coins make 20c? 6c? 15c? 10c? What 3 coins make 20c? 7c? 15c? 11c? What 4 coins = 21? <b>18</b></p>	<p>The price of a toy boat is \$15. Joey has \$10. How much more money does he need? <b>19</b></p>	<p>Continue each pattern 6 5 4 3 ___ 54 56 58 ___ ___ 347 346 345 ___ ab1cd3ef5 ___ ___ 5iiii4iii3ii ___ ___ 13 24 35 ___ ___ 1 9 2 8 3 7 ___ ___ <b>27</b></p>	<p>Kim had 46 candies. She gave 26 candies away. How many candies does Kim have now? Solve: 32+7=___ 45-3=___ 4+6+8=___ 34-7=___ 1+9+9=___ 5+43=___ 86-65=___ 3+42=___ <b>28</b></p>	<p>Alice has 4 coins. The coins make up 22 cents. What coins does she <u>have</u>? Remember the for house 10 (1+9,2+8,3+7,...), memorize it. <b>29</b></p>	<p>Draw a clock. Show half past 8. What time will be 5 minutes later? <b>23</b></p>																			
<p>Fill in the blanks 78&lt;___ 94&gt;___ 45&lt;___ 8= ___ tens, ___ ones 2 tens 8 ones = ___ <b>25</b></p>	<p>What addition fact helps us to find each answer? 6+7 9+8 12-6 <u>14-10 10-8 11-8</u> Write the fact family for the following facts: 7+5=___ 8+6=___ <b>26</b></p>	<p>Continue each pattern 6 5 4 3 ___ 54 56 58 ___ ___ 347 346 345 ___ ab1cd3ef5 ___ ___ 5iiii4iii3ii ___ ___ 13 24 35 ___ ___ 1 9 2 8 3 7 ___ ___ <b>27</b></p>	<p>Kim had 46 candies. She gave 26 candies away. How many candies does Kim have now? Solve: 32+7=___ 45-3=___ 4+6+8=___ 34-7=___ 1+9+9=___ 5+43=___ 86-65=___ 3+42=___ <b>28</b></p>	<p>Alice has 4 coins. The coins make up 22 cents. What coins does she <u>have</u>? Remember the for house 10 (1+9,2+8,3+7,...), memorize it. <b>29</b></p>	<p>Find the missing number. 63 + ___ = 73 ___ + 8 = 58 105 + ___ = 110 2 more than 28 is ___ 2 fewer than 52 is ___ <b>30</b></p>																			

<b>August</b> <b>K → 1</b> Related Facts <b>1</b>	Even Odd  <b>Tuesday 2</b>	Time Altogether  <b>Wednesday 3</b>	Pictograph Surface  <b>Thursday 4</b>	Sum Doubles Doubles Plus 1  <b>Friday 5</b>	Fact family Pattern  <b>Saturday 6</b>	<b>Incoming          1st Grade</b>
Length Height Width  <b>8</b>	Skip counting Least to Greatest  <b>9</b>	Number Digit Congruent  <b>10</b>	Earn Spend How much  <b>11</b>	Short Shorter Count on  <b>12</b>	Long Longer Count back  <b>13</b>	<b>Summer          Home          Work</b>
One First Last  <b>15</b>	Two Twelve Twenty Second  <b>16</b>	Three Third Thirteen Thirty  <b>17</b>	Four Fourth Fourteen Forty  <b>18</b>	Five Fifth Fifteen Fifty  <b>19</b>	O'Clock Hour Hand Minute hand  <b>20</b>	<b>Vocabulary</b>
Sixteen Sixty Seventeen Seventy  <b>22</b>	Eight Eighteen Eighty  <b>23</b>	Nine Nineteen Ninety  <b>24</b>	Most Least Same  <b>25</b>	Equal Solid shape  <b>26</b>	Number line Zero  <b>27</b>	
Number chart Bar graph  <b>29</b>	Ones Tens  <b>30</b>	Match Addition Subtraction  <b>31</b>				

# August

K → 1

<b>Monday</b> <b>1</b>	<b>Tuesday</b> <b>2</b>	<b>Wednesday</b> <b>3</b>	<b>Thursday</b> <b>4</b>	<b>Friday</b> <b>5</b>	<b>Saturday</b> <b>6</b>	
<p>Create a pattern. Use triangles, squares, and circles. Create another pattern. Use numbers and/or letters.</p> <p style="text-align: right;"><b>8</b></p>	<p>Make a tally chart. "Games We Like" 5 kids like tennis 12 kids like hide and seek 16 kids like tag</p> <p style="text-align: right;"><b>9</b></p>	<p>Skip counting By 2: 7 ___ ___ ___ By 2: 8 ___ ___ ___ By 5: 5 ___ ___ ___ By 5: 75 ___ ___ ___ By 10: 9 ___ ___ ___</p> <p>How many days in a week? Name them. How many months in a year? Name them. What is today's dates?</p> <p style="text-align: right;"><b>10</b></p>	<p>83 + ___ = 93 ___ + 40 = 46 97 + ___ = 100 3 more than 75 is ___ 4 fewer than 64 is ___ 36 + 2 + 8 = ___</p> <p>Draw ten blocks and one blocks to find: 75 + 23 = ___ 67 - 64 = ___    6 + 23 = ___ Draw a picture to see which problem can't be solved: 4 + 5 4 - 5    5 - 4</p> <p style="text-align: right;"><b>11</b></p>	<p>Study the doubles and doubles plus one.</p> <p>Write the fact family for the following: 2 + 9 = ___ 8 + 8 = ___ 4 + 6 = ___ 7 + 3 = ___</p> <p style="text-align: right;"><b>12</b></p>	<p>It is 4 o'clock. What time will it be 5 hours from now? 3 hours from now? 4 hours from now?</p> <p>Dennis has 7 coins. Yvette has 5 more coins than him. How many coins does Yvette have? How many coins do they have in all?</p> <p style="text-align: right;"><b>13</b></p>	<p><b>Incoming 1st Grade</b></p>
<p>Ben had 16 apples. He ate 3 apples. How many apples does Ben have now?</p> <p style="text-align: right;"><b>15</b></p>	<p>Study and review all the ways to make 10. Write them down.</p> <p style="text-align: right;"><b>16</b></p>	<p>What number comes... After 67 Before 100 Before 40</p> <p style="text-align: right;"><b>17</b></p>	<p>___ and 6 is 8 in all 7 and 2 is ___ in all 4 and ___ is 9 in all 5 fewer than 45 is ___ 4 more than 26 is ___</p> <p style="text-align: right;"><b>18</b></p>	<p>Draw a clock. Show 10:30. What time will it be 5 minutes later? 20 minutes later? 10 min later?</p> <p style="text-align: right;"><b>19</b></p>	<p>Review house 10 families. Write the fact family for each double fact, memorize.</p> <p style="text-align: right;"><b>20</b></p>	<p><b>Summer Home Work</b></p>
<p>I have four circles. I have two fewer squares than circles. How many squares do I have? How many shapes in all?</p> <p style="text-align: right;"><b>22</b></p>	<p>Draw a square and divide it into 4 equal parts. How many squares are there in all?</p> <p style="text-align: right;"><b>23</b></p>	<p>If there are 4 triangles, 3 circles, and 5 stars in a box. Which shape is most likely to get picked? Less likely?</p> <p style="text-align: right;"><b>24</b></p>	<p>Put these numbers in order from least to greatest: - 21, 82, 12, 22 - 99, 66, 69, 96 - 16, 61, 66, 60</p> <p style="text-align: right;"><b>25</b></p>	<p>Mary bought a dress for \$40 and a bag for \$60. How much more did the bag cost? How much did she pay?</p> <p style="text-align: right;"><b>26</b></p>	<p>3 cars have ___ wheels together. 6 bicycles have ___ wheels in all. Do 3 cars have more wheels than 6 bicycles?</p> <p style="text-align: right;"><b>27</b></p>	<p><b>Problem of the day</b></p>
<p>There are 9 boys and 20 men. How many more men are there? Solve: 45 + 23 = ___    6 + 83 = ___ 45 - 23 = ___    10 + 15 = ___</p> <p style="text-align: right;"><b>29</b></p>	<p>Write the number: - Twelve = ___ - Eighty = ___ - Fifteen = ___ - Four = ___ - Eleven = ___</p> <p style="text-align: right;"><b>30</b></p>	<p>Ann had 12 apples and 37 bananas. How many more bananas were there than apples? How many total fruits?</p> <p style="text-align: right;"><b>31</b></p>				