**Big Apple Academy 2018 Mathematics Department**



**Grade K 🡪 1 Summer Homework Math Package**

It is important that you keep practicing your mathematical Knowledge over the summer to be ready for **1st 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.a**mathsdictionaryforkids**.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 4, 2018 - the first school day.

**Have a Great Summer!!**

**Big Apple Academy Mathematics Department**

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| **July**  **K 🡪1**  **Monday** | **Tuesday** | **Wednesday** | **Thursday** | Solid shape  Cube  Penny  **Fridays 29** | Digit  Number  Nickel  **Saturday 30** | **Incoming**  **1st Grade** |
| Circle  Square  Dime  **2** | Rectangle  Triangle  Quarter  **3** | Rhombus  Side  Dollar    **4** | Pentagon  Hexagon  **5** | Angle  Cone  Vertex    **6** | Addition  Subtraction    **7** | **Summer Home Work** |
| Pyramid  Sphere  **9** | Fewer than  Cylinder  **10** | More than  Rectangular prism    **11** | Behind  In Front  **12** | Tally marks  Tally chart  **13** | Equal Parts  Double  **14** | **Vocabulary** |
| Fraction  Bar graph    **16** | Thirds  Half/Halves    **17** | Fourths  Fifths    **18** | Second  Eighths    **19** | Congruent  Minute    **20** | Hour  Day    **21** |  |
| Month  Year  **23** | One Block  Ten Block    **24** | Greater than  Compare  **25** | In all  How Many More?  **26** | Total  Less  Each  **27** | All Together  Take Away  **28** | davinci.png |

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| **July\_**  **K 🡪1**    **Monday** | | **Tuesday** | | **Wednesday** | **Thursday** | | Compare  34 \_\_ 32 74\_\_47  56\_\_19 85\_\_63 Write the numbers 34, 65, 32, 89, 68 in order from least to greatest **.**  **Friday 29** | | How many **sides** do a pentagon and a square have all together? How  many fewer angles  does a triangle have  than a hexagon?  **Saturday 30** | | **Incoming**  **1st Grade** | |
| Draw a circle, a square, and a rectangle.  Draw lines to show halves.  Draw the shapes again and show thirds. **2** | | Nathan has 20 coins. He gives 10 coins away. How many coins does he have left?  5 dimes = \_\_\_  4 nickels = \_\_\_  **3** | | Make a bar graph.  “Sports We Like”  5 kids like soccer  3 kids like tennis  4 kids like golf   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Soccer |  |  |  |  |  | | Tennis |  |  |  |  |  | | Golf |  |  |  |  |  | | Oliver saved 25 cents. Joe saved 15 cents less than Oliver. How much money did Joe save? How much more did Oliver save? **5** | | Draw a square inside a triangle. Draw a pentagon next to a rectangle. Color ½ of the rectangle and 1/3 of the square.  **6** | | 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\_\_\_  **7** | | **Summer Home Work** | |
| A boy bought 2 pairs of shoes for $24 each. How much money did he spend?  **9** | | John has 21 cherries. Jill has 10 fewer than John. How many cherries does Jill have?  **10** | | Make a bar graph.  “Foods we Like”  7 like chips  9 like tacos  3 like French fries  **11** | There are 16 boys and 52 girls. How many children are there in all? Is it more than 100?  **12** | | How many **vertices** do 2 hexagons have together?  4 dogs have \_\_legs, \_\_tails, and \_\_eyes. **13** | | Skip counting  By 2: 14 \_\_ \_\_ \_\_ By 10: 7 \_\_ \_\_ \_\_  By 5: 15 \_\_ \_\_ \_\_  **14** | | **Problem of the day** | |
| What 2 coins make 20c? 6c? 15c? 10c?  What 3 coins make 20c? 7c? 15c? 11c?  What 4 coins = 21?  **16** | | The price of a toy boat is $15. Joey has $10. How much more money does he need?  **17** | | Draw ten blocks and one blocks to find each answer:  34+25=\_\_ 78-34=\_  6+48=\_\_ 36-34=\_\_  **18** | Sam had 20 coins, he lost all his coins except one dime. How much money does he have?  **19** | | A circle is divided into 4 equal parts. Shade 3/4 of it.  Shade 1/3 of another circle  **20** | | Draw a clock. Show half past 8. What time will be 5 minutes later ?  **21** | |  | |
| Fill in the blanks  78<\_\_  94>\_\_  45<\_  8= \_\_tens, \_\_ones  2 tens 8 ones = \_\_\_  **23** | | What addition fact helps us to find each answer?  6+7 9+8 12-6  14-10 10-8 11-8  Write the fact family for the following facts:  7+5= \_\_ 8+6= \_\_ **24** | | Continue each pattern 6 5 4 3 \_ \_  54 56 58 \_\_ \_\_  347 346 345 \_\_\_  ab1cd3ef5\_ \_ \_ \_ \_  5iiii4iii3ii \_ \_ \_  13 24 35 \_\_ \_\_ \_\_  1 9 2 8 3 7 \_ \_ \_ \_    **25** | 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=\_\_  **26** | | Alice has 4 coins. The coins make up 22 cents. What coins does she have?  Remember the for house 10 (1+9,2+8,3+7,…), memorize it.  **27** | | Find the missing number.  63 + \_\_ = 73  \_\_ + 8 = 58  105 + \_\_ = 110  2 more than 28 is \_  2 fewer than 52 is \_    **28** | | davinci.png | |
| **August**  **K 🡪1** | Even  Odd    **Tuesday 31** | | Time  Altogether  **Wednesday 1** | | Pictograph  Surface  **Thursday 2** | Sum  Doubles  Doubles Plus 1  **Friday 3** | | Fact family  Pattern  **Saturday 4** | | **Incoming**  **1st Grade** | |
| Length  Height  Width  **6** | Skip counting  Least to Greatest  **7** | | Number  Digit  Congruent  **8** | | Earn  Spend  How much  **9** | Short  Shorter  Count on  **10** | | Long  Longer  Count back  **11** | | **Summer Home Work** | |
| One  First  Last  **13** | Two  Twelve  Twenty  Second  **14** | | Three  Third  Thirteen  Thirty  **15** | | Four  Fourth  Fourteen  Forty  **16** | Five  Fifth  Fifteen  Fifty  **17** | | O’Clock  Hour Hand  Minute hand  **18** | | **Vocabulary** | |
| Sixteen  Sixty  Seventeen  Seventy  **20** | Eight  Eighteen  Eighty  **21** | | Nine  Nineteen  Ninety  **22** | | Most  Least  Same  **23** | Equal  Solid shape  **24** | | Number line  Zero  **25** | |  | |
| Number chart  Bar graph  **27** | Ones  Tens    **28** | | Match  Addition  Subtraction    **29** | | Related Facts  **30** |  | |  | | davinci.png | |

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| **August-**  **K 🡪1**    **Monday** | Bob bought a toy airplane for 42¢ and a toy car for 56¢. How much did he pay in total? Was it more than a dollar?  **Tuesday 31** | Skip counting  By 2: 7 \_\_ \_\_ \_\_  By 2: 8 \_\_ \_\_ \_\_ By 5: 5 \_\_ \_\_ \_\_ By 5: 75\_\_ \_\_ \_\_ \_By 10: 9\_\_ \_\_ \_\_ \_    **Wednesday 1** | 83 + \_\_ = 93  \_\_ + 40 = 46  97 + \_\_ = 100  3 more than 75 is \_  4 fewer than 64 is \_  36 + 2 + 8 =\_\_\_    **Thursday 2** | Study the doubles and doubles plus one.    **Friday 3** | It is 4 o’clock. What time will it be 5 hours from now?  3 hours from now?  4 hours from now?    **Saturday 4** |  |
| Create a pattern.  Use triangles, squares, and circles. Create another pattern. Use numbers and/or letters.  **6** | Make a tally chart.  “Games We Like”  5 kids like tennis  12 kids like hide and seek  16 kids like tag  **7** | How many days in a week? Name them.  How many months in a year? Name them.  What is today’s dates? **8** | 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 **9** | Write the fact family for the following:  2+9=\_\_  8+8=\_\_  4+6=\_\_  7+3=\_\_  **10** | 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?  **11** | **Incoming**  **1st Grade** |
| Ben had 16 apples. He ate 3 apples. How many apples does Ben have now?    **13** | Study and review all the ways to make 10. Write them down.  **14** | What number comes…  After 67  Before 100  Before 40  **15** | \_\_ 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 \_  **16** | Draw a clock. Show 10:30. What time will it be 5 minutes later? 20 minutes later? 10 min later?  **17** | Review house 10 families. Write the fact family for each double fact, memorize.  **18** | **Summer Home Work** |
| I have four circles.  I have two fewer squares than circles. How many squares do I have? How many shapes in all?  **20** | Draw a square and divide it into 4 equal parts. How many squares are there in all?  **21** | If there are 4 triangles, 3 circles, and 5 stars in a box. Which shape is most likely to get picked? Less likely?  **22** | Put these numbers in order from least to greatest:  - 21, 82, 12, 22  - 99, 66, 69, 96  - 16, 61, 66, 60  **23** | Mary bought a dress for $40 and a bag for $60. How much more did the bag cost? How much did she pay?  **24** | 3 cars have \_\_\_ wheels together. 6 bicycles have \_\_\_ wheels in all.  Do 3 cars have more wheels than 6 bicycles?  **25** | **Problem of the day** |
| There are 9 boys and 20 men. How many more men are there?  Solve:  45+23=\_\_ 6+83=\_\_  45-23=\_\_ 10+15=\_\_  **27** | Write the number:  - Twelve=\_\_  - Eighty=\_\_  - Fifteen=\_\_  - Four=\_\_\_  - Eleven=\_\_\_    **28** | Ann had 12 apples and 37 bananas. How many more bananas were there than apples? How many total fruits?  **29** | **Create your own problem and solve it!**  **Good luck!**  **30** |  |  | davinci.png |