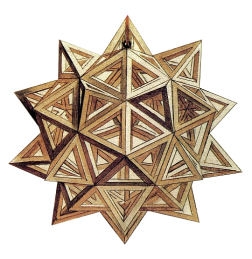
**Big Apple Academy 2018 Mathematics Department**



**Grade 4 🡪 5 Summer Homework Math Package**

It is important that you keep practicing your mathematical Knowledge over the summer to be ready for **5th grade**. In this Package you will find a calendar of activities for the month of July and August.

What should you do?

* Take a new notebook for every-day practice. For each day you will need 2 pages;
* 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 on the front page (pages 1,3,5, . . . and so on);
* 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)

* Solve the problem of the day and write the solution with full explanation on the back page (pages 2,4,6,. . . and so on);
* Have the date of the entry. Have a clear and complete answer. Be neat and organize.

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\_**  **4 🡪 5**  **Monday** | **Tuesday** | **Wednesday** | **Thursday** | Adding Decimals  Subtracting  Decimals  **Friday 29** | Distributive  Property  Estimating  **Saturday 30** | **Incoming**  **5th Grade** |
| Variables  Algebraic  Expression  Evaluate  **2** | Equations  Solution  **3** | Division  Pattern  Factors  **4** | Divisibility rules  Prime numbers  Composite numbers  **5** | Prime  factorization  **6** | Order of  operations  Variable    **7** | **Summer Home Work VOCABULARY** |
| Dividing by 2 digit  divisors  Dividing larger  Numbers  **9** | Order of operations using fractions  **10** | Mean  Median  Mode  Range  **11** | Line  Line segment  Ray  **Plane**  **12** | Parallel lines  Intersecting lines  Perpendicular  lines  **13** | Circle  Radius  Diameter  Chord  Central angle  **14** |  |
| Polygon  Regular polygon  **16** | Classifying  Triangles    **17** | Quadrilaterals  Parallelogram  Rectangle  Rhombus  **18** | Square  Trapezoid  **19** | Fractions  Improper fraction  Mixed number  **20** | Equivalent  Fractions  Decimals  **21** |  |
| Factor  GCF  LCM  **23** | Simplest form  Comparing  fractions  **24** | Adding  Subtracting  Fractions and  Mixed numbers  **25** | Place Value  Comparing whole  Numbers  Standard form  Expanded form  **26** | Multiplying  fractions  Multiplying mixed  numbers  **27** | Adding and Subtracting  Rounding  **28** | davinci.png |

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| **July\_**  **4 🡪 5**    **Monday** | **Tuesday** | | **Wednesday** | | **Thursday** | | Find  75,397.5 + 897.04  6.7 – 3.85      **Friday 29** | | Find each product  737 x 54  409 x 36  **Saturday 30** | **Incoming**  **5th Grade** |
| Evaluate each  expression for n=6  n x 8.4; 11.2 – n    **2** | | Solve each  equation  37 – m = 15  25.5b = 25.5  **3** | | Write the next  Number in this  pattern  37,49,61,73, …  **4** | Find all the factors  of  60  85  **5** | Write the prime  Factorization. Use exponents for each: 200 ; 162  **6** | | Use the order of  operations  135 -3 –(4 x 12)+1**6**  **7** | | **Summer Home Work for FUN** |
| Find each quotient  7,368 ÷ 72  36,144 ÷ 48    **9** | 1 x 6 - + 4  **10** | | Find the mean ,  Median, and  mode  64,59,58,58,61    **11** | | Draw and label  Two lines segments  Two parallel rays  Two perpendicular  lines    **12** | | Draw and label  Two intersecting,  But not perpendicular,  Line segments  **13** | | A C  O O  B  Diameter -----------  Chord ------------  **14** |  |
| How are the figures alike?      **16** | The measures of  two angles of a  triangle are 126°,  24°. Find the  measure of the  third angle.  **17** | | In quadrilateral  three angles are  95°, 140°, 25°.  Find the fourth  angle.      **18** | | Classify each  quadrilateral  Find the measure  Of the fourth angle  140°; 140°; 30°.  **19** | | Write as a mixed  number ; ; ; . Write as an improper  fraction 5⅓  40⅕; 21⅔; 36 ½  **20** | | Write each fraction or mixed number as a  decimal ; ; 12⅖ ; 6⅛    **21** |  |
| What is the GCF  Of 18 and 63  What is the LCM  Of 9 and 4    **23** | Simplify each  fraction  ; ; .  Compare fractions  and  5 and 5  **24** | | Find each sum  Or difference  – ; 11 -2  12+ 3 ;  3 - 2  **25** | | Write the value  of the digit 6 in  87,642  Write number in  Expanded form  7,450,693,000  **26** | | Find each product  x  x 27  **27** | | Round  4,362,045 to the  Nearest hundred  thousand  Compare  73.42 and 72.56    **28** | davinci.png |

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| **August-**  **4 🡪 5**  **Monday 30** | Probability      **Tuesday 31** | Mode  Range      **Wednesday 1** | The Coordinate  Plane    **Thursday 2** | Mean  Median    **Friday 3** | Equivalent fractions.  **Saturday 4** | **Incoming**  **5th Grade** |
| Dividing fractions  Dividing mixed numbers  **6** | Base  Height  Area of squares  Area of rectangles  **7** | Perimeter  **8** | Properties of quadrilaterals  **9** | Time  Units of time  Elapsed time    **10** | Temperature      **11** | **Summer Home Work VOCABULARY** |
| Solid figures  Faces  Vertex  Edge  **13** | Perimeter of irregular figures  **14** | Volume  Formula    **15** | Customary Units  of Capacity  Metric Units of  Capacity  **16** | Customary Units  of Weight  Metric Units of  mass    **17** | Customary units  of length  Metric units of  length  **18** |  |
| Rates  Scale drawings  Unit rate    **20** | Triangle  Classify the triangles by sides and angles  **21** | Area  Rectangle  Perimeter  **22** | Equation  Properties of  equality  Inverse  operations  **23** | Solving addition  And subtraction  equations  **24** | Solving multiplication and  division  equations  **25** |  |
| Prime and composite numbers  **27** | like denominators  unlike denominators  **28** | Decimal  **29** |  |  |  | davinci.png |

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| **August-**  **4 🡪 5**  **Monday 30** | **Tuesday 31** | Find the mean, median, mode and range of a data set.  1.8, 1.95, 1.85, 1.8, 1.6  **Wednesday 1** | Use the coordinate  plane to graph  Each set of points  (0, -3) (+5, -1)  (+6, +2) (-1, +7)  (+6, +6) (+7, 0)  **Thursday 2** | Find the probability of getting a sum of 5 or a sum of 7 when two cubes are tossed  **Friday 3** | Is = ?  Why or why not? Explain.    **Saturday 4** | **Incoming**  **5th Grade** |
| How many s in ?  5 ÷2 =?  **6** | Find the area of  a rectangle with  Sides 3.4m and  6.5m  Find the area of a  square with side  2.4 cm.  **7** | Find the perimeter  Of rectangle  L= 6.3 cm  W = 14.2 cm  **8** | Give the best name for a four-sided polygon whose angles are all right angles and whose sides are all the same length.  **9** | Find each elapsed  time  8 : 16 am to  12: 35 pm.  4 : 22 am to  10 : 50 am  **10** | Find each change  In temperature  97 ° F to 79 ° F  17° F to - 3° F    **11** | **Summer Home Work for FUN** |
| How are a cylinder  and a cone alike?  A square prism has  How many faces,  Vertices, edges?  **13** | Find the perimeter Q_ARE05  **14** | Find the volume  Of rectangular  prism  l=14mm w=7mm  h=1.3mm  **15** | Copy and complete  17qt = ------- pt.  6gal 2qt = ------ qt  6c 2fl oz. – 5fl oz.=  700L = ------ mL  **16** | Copy and complete  300kg =------- g  362mg = ------g  9lb 8oz + 7lb 9oz =  **17** | Complete  38 in= ---------ft.  8ff 5in=-------in  9yd 1ft ------- ft.  20m = ------ cm  **18** |  |
| Which is the better  Buy?  $2.96 for 8 pears  Or $1.70 for 5 pears  **20** | Is it possible to make an equilateral obtuse triangle? Explain  **21** | What is the greatest area of a rectangle with a perimeter of 50?  **22** | Write what  inverse operation  you would use to  get n for: n – 6;  92 + n; nx 18  **23** | Solve each  equation  p + 232 = 750  a – 7.3 = 12.6  **24** | Solve each  equation  320 = 16 x m  28 ÷ s = 560  **25** |  |
| The number 59 and I are the only two prime numbers between 50 and 60.Who am I?  **27** | One-half of a number added to one-fourth of 96 is 30. What is the number?  **28** | In the number 44.444 which digit has 1/10 the value of the 4 in the hundredth place? **29** |  |  |  | davinci.png |