**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 DecimalsSubtracting Decimals**Friday 29** | DistributivePropertyEstimating**Saturday 30** | **Incoming****5th Grade** |
| VariablesAlgebraicExpressionEvaluate**2** | EquationsSolution**3** | DivisionPatternFactors**4** | Divisibility rulesPrime numbersComposite numbers**5** | Prime factorization**6** | Order of operationsVariable  **7** | **Summer Home Work VOCABULARY** |
| Dividing by 2 digit divisors Dividing largerNumbers **9** | Order of operations using fractions**10** | MeanMedianModeRange **11** | LineLine segmentRay**Plane****12** | Parallel linesIntersecting linesPerpendicularlines **13**  | CircleRadiusDiameterChordCentral angle **14** |  |
| PolygonRegular polygon**16** | ClassifyingTriangles **17** | QuadrilateralsParallelogramRectangleRhombus **18** | SquareTrapezoid **19** | FractionsImproper fractionMixed number **20** | EquivalentFractionsDecimals**21** |  |
| FactorGCFLCM**23** | Simplest formComparing fractions**24** | Adding SubtractingFractions andMixed numbers**25** | Place ValueComparing whole NumbersStandard formExpanded form **26** | Multiplying  fractions Multiplying mixednumbers**27** | Adding and SubtractingRounding **28** | davinci.png |

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|  **July\_** **4 🡪 5**  **Monday**  | **Tuesday**  | **Wednesday**  | **Thursday**  | Find75,397.5 + 897.046.7 – 3.85 **Friday 29**  | Find each product737 x 54409 x 36**Saturday 30** | **Incoming****5th Grade** |
| Evaluate eachexpression for n=6n x 8.4; 11.2 – n **2** | Solve each equation37 – m = 1525.5b = 25.5**3** | Write the next Number in thispattern37,49,61,73, …**4** | Find all the factorsof6085**5** | Write the primeFactorization. Use exponents for each: 200 ; 162 **6**  | Use the order ofoperations135 -3 –(4 x 12)+1**6** **7** | **Summer Home Work for FUN** |
| Find each quotient7,368 ÷ 7236,144 ÷ 48  **9**  | 1$\frac{1}{3}$ x 6 - $\frac{2}{3}$ + 4$\frac{5}{8}$**10**  | Find the mean ,Median, andmode64,59,58,58,61  **11** | Draw and labelTwo lines segmentsTwo parallel raysTwo perpendicularlines  **12** | Draw and labelTwo intersecting,But not perpendicular,Line segments **13** |  A C O O  B Diameter ----------- Chord ------------  **14** |  |
|  How are the figures alike?**16** | The measures oftwo angles of atriangle are 126°,24°. Find the  measure of the third angle. **17**  | In quadrilateralthree angles are95°, 140°, 25°. Find the fourthangle.  **18**  | Classify eachquadrilateralFind the measureOf the fourth angle 140°; 140°; 30°.**19** | Write as a mixed number $\frac{51}{10}$; $\frac{32}{9}$ ; $\frac{601}{20}$; $\frac{84}{12}$. Write as an improper fraction 5⅓ 40⅕; 21⅔; 36 ½ **20** | Write each fraction or mixed number as a decimal $\frac{4}{5}$; $\frac{13}{20}$ ; 12⅖ ; 6⅛  **21**  |   |
| What is the GCFOf 18 and 63What is the LCMOf 9 and 4  **23** | Simplify eachfraction$\frac{12}{30}$ ; $\frac{14}{42};$ $\frac{12}{48}$; $\frac{24}{60}$.Compare fractions $\frac{5}{6} $and $\frac{5}{8}$5$\frac{1}{5}$ and 5 $\frac{1}{3}$ **24**  | Find each sumOr difference$\frac{9}{10}$ – $\frac{3}{4}$; 11 -2 $\frac{5}{6}$12$\frac{3}{5}$+ 3 $\frac{3}{8}$;3 $\frac{1}{6}$ - 2 $\frac{1}{5}$ **25** |  Write the valueof the digit 6 in87,642Write number inExpanded form 7,450,693,000  **26** | Find each product$\frac{2}{3}$ x $\frac{7}{8}$$\frac{8}{9}$ x 27 **27** | Round4,362,045 to theNearest hundredthousandCompare73.42 and 72.56 **28** | davinci.png |

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|  **August-** **4 🡪 5**  **Monday 30**  |  Probability**Tuesday 31** | ModeRange**Wednesday 1** | The CoordinatePlane**Thursday 2**  | MeanMedian**Friday 3** | Equivalent fractions. **Saturday 4** |  **Incoming****5th Grade** |
| Dividing fractionsDividing mixed numbers**6** | BaseHeightArea of squaresArea of rectangles**7** | Perimeter**8** | Properties of quadrilaterals **9** | TimeUnits of timeElapsed time  **10**  | Temperature **11** | **Summer Home Work VOCABULARY** |
| Solid figuresFacesVertexEdge**13** | Perimeter of irregular figures **14** | VolumeFormula  **15** | Customary Unitsof CapacityMetric Units ofCapacity **16**  | Customary Unitsof WeightMetric Units of  mass  **17**  | Customary unitsof lengthMetric units of length **18** |  |
| RatesScale drawingsUnit rate **20** | TriangleClassify the triangles by sides and angles**21** | AreaRectanglePerimeter**22** | Equation Properties of equalityInverseoperations**23** | Solving additionAnd subtractionequations**24** | Solving multiplication anddivisionequations **25** |  |
| Prime and composite numbers **27** | like denominatorsunlike 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 coordinateplane to graphEach 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 $\frac{10}{16}$ = $\frac{15}{20}$ ?Why or why not? Explain. **Saturday 4** |  **Incoming****5th Grade** |
| How many $\frac{1}{4}$s in $\frac{3}{4}$ ?5$\frac{1}{7}$ ÷2 $\frac{2}{7}$ =?**6** | Find the area ofa rectangle with Sides 3.4m and  6.5mFind the area of asquare with side2.4 cm.  **7** | Find the perimeterOf rectangleL= 6.3 cmW = 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 elapsedtime8 : 16 am to12: 35 pm.4 : 22 am to 10 : 50 am   **10**  | Find each changeIn temperature97 ° F to 79 ° F17° F to - 3° F  **11** | **Summer Home Work for FUN** |
| How are a cylinderand a cone alike? A square prism hasHow many faces,Vertices, edges?**13** | Find the perimeter Q_ARE05**14** | Find the volume Of rectangular prism l=14mm w=7mmh=1.3mm**15** | Copy and complete17qt = ------- pt.6gal 2qt = ------ qt6c 2fl oz. – 5fl oz.=700L = ------ mL **16**   | Copy and complete300kg =------- g362mg = ------g9lb 8oz + 7lb 9oz =  **17**  | Complete38 in= ---------ft.8ff 5in=-------in9yd 1ft ------- ft.20m = ------ cm **18** |  |
| Which is the betterBuy?$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 whatinverse operationyou would use toget n for: n – 6;92 + n; nx 18**23**  | Solve eachequationp + 232 = 750a – 7.3 = 12.6**24** | Solve eachequation320 = 16 x m28 ÷ 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 |