**Big Apple Academy 2020 Mathematics Department**



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

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:

 [**https://dynamiclearningmaps.org/sites/default/files/documents/ERP/dlm\_math\_glossary.pdf**](https://dynamiclearningmaps.org/sites/default/files/documents/ERP/dlm_math_glossary.pdf)

* 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 the first school day.

**Have a Great Summer!!**

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|  **July\_**  **4 🡪 5** **Monday**  |  **Tuesday**  | **Wednesday**  |  **Thursday**  | Adding DecimalsSubtracting Decimals **June****Friday 26** | DistributivePropertyEstimating **June****Saturday 27** | **Incoming****5th Grade** |
| VariablesAlgebraicExpressionEvaluate**29** | EquationsSolution**30** | DivisionPatternFactors**1** | Divisibility rulesPrime numbersComposite numbers**2** | Prime factorization**3** | Order of operationsVariable  **4** | **Summer Home Work VOCABULARY** |
| Dividing by 2 digit divisors Dividing largerNumbers **6** | Order of operations using fractions**7** | MeanMedianModeRange **8** | LineLine segmentRay**Plane****9** | Parallel linesIntersecting linesPerpendicularlines **10**  | CircleRadiusDiameterChordCentral angle **11** |  |
| PolygonRegular polygon**13** | ClassifyingTriangles **14** | QuadrilateralsParallelogramRectangleRhombus **15** | SquareTrapezoid **16** | FractionsImproper fractionMixed number **17** | EquivalentFractionsDecimals**18** |  |
| FactorGCFLCM**20** | Simplest formComparing fractions**21** | Adding SubtractingFractions andMixed numbers**22** | Place ValueComparing whole NumbersStandard formExpanded form **23** | Multiplying  fractions Multiplying mixednumbers**24** | Adding and SubtractingRounding **25** | davinci.png |

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|  **July\_** **4 🡪 5**  **Monday**  | **Tuesday**  | **Wednesday**  | **Thursday**  | Find75,397.5 + 897.046.7 – 3.85 **June** **Friday 26**  | Find each product737 x 54409 x 36 **June** **Saturday 27** | **Incoming****5th Grade** |
| Evaluate eachexpression for n=6n x 8.4; 11.2 – n **29** | Solve each equation37 – m = 1525.5b = 25.5**30** | Write the next Number in thispattern37,49,61,73, …**1** | Find all the factorsof6085**2** | Write the primeFactorization. Use exponents for each: 200 ; 162 **3**  | Use the order ofoperations135 -3 –(4 x 12)+1**6** **4** | **Summer Home Work for FUN** |
| Find each quotient7,368 ÷ 7236,144 ÷ 48  **6**  | 1$\frac{1}{3}$ x 6 - $\frac{2}{3}$ + 4$\frac{5}{8}$**7**  | Find the mean ,Median, andmode64,59,58,58,61  **8** | Draw and labelTwo lines segmentsTwo parallel raysTwo perpendicularlines  **9** | Draw and labelTwo intersecting,But not perpendicular,Line segments **10** |  A C O O  B Diameter ----------- Chord ------------  **11** |  |
|  How are the figures alike?**13** | The measures oftwo angles of atriangle are 126°,24°. Find the  measure of the third angle. **14**  | In quadrilateralthree angles are95°, 140°, 25°. Find the fourthangle.  **15**  | Classify eachquadrilateralFind the measureOf the fourth angle 140°; 140°; 30°.**16** | 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 **17** | Write each fraction or mixed number as a decimal $\frac{4}{5}$; $\frac{13}{20}$ ; 12⅖ ; 6⅛  **18**  |   |
| What is the GCFOf 18 and 63What is the LCMOf 9 and 4  **20** | 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 $\frac{1}{3}$ **21**  | 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 $\frac{1}{5}$ **22** |  Write the valueof the digit 6 in87,642Write number inExpanded form 7,450,693,000  **23** | Find each product$\frac{2}{3}$ x $\frac{7}{8}$$\frac{8}{9}$ x 27 **24** | Round4,362,045 to theNearest hundredthousandCompare73.42 and 72.56 **25** | davinci.png |

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|  **August-** **4 🡪 5**  **Monday**  |  Probability **Tuesday 28** | ModeRange**Wednesday 29**  | The CoordinatePlane**Thursday 30**  | MeanMedian**Friday 31** | Equivalent fractions. **Saturday 1** |  **Incoming****5th Grade** |
| Dividing fractionsDividing mixed numbers**3** | BaseHeightArea of squaresArea of rectangles**4** | Perimeter**5** | Properties of quadrilaterals **6** | TimeUnits of timeElapsed time   **7**  | Temperature **8** | **Summer Home Work VOCABULARY** |
| Solid figuresFacesVertexEdge**10** | Perimeter of irregular figures **11** | VolumeFormula  **12** | Customary Unitsof CapacityMetric Units ofCapacity **13**  | Customary Unitsof WeightMetric Units of  mass  **14**  | Customary unitsof lengthMetric units of length **15** |  |
| RatesScale drawingsUnit rate **17** | TriangleClassify the triangles by sides and angles**18** | AreaRectanglePerimeter**19** | Equation Properties of equalityInverseoperations**20** | Solving additionAnd subtractionequations**21** | Solving multiplication anddivisionequations **22** |  |
| Prime and composite numbers **24** | like denominatorsunlike denominators**25** | Decimal**26** |   |  |  | davinci.png |

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|  **August-** **4 🡪 5** **Monday**  |  **Tuesday**  | Find the mean, median, mode and range of a data set.1.8, 1.95, 1.85, 1.8, 1.6  **Wednesday 29** | Use the coordinateplane to graphEach set of points(0, -3) (+5, -1) (+6, +2) (-1, +7)(+6, +6) (+7, 0) **Thursday 30**  | Find the probability of getting a sum of 5 or a sum of 7 when two cubes are tossed **Friday 31**  | Is $\frac{10}{16}$ = $\frac{15}{20}$ ?Why or why not? Explain. **Saturday 1** |  **Incoming****5th Grade** |
| How many $\frac{1}{4}$s in $\frac{3}{4}$ ?5$\frac{1}{7}$ ÷2 $\frac{2}{7}$ =?**3** | Find the area ofa rectangle with Sides 3.4m and  6.5mFind the area of asquare with side2.4 cm.  **4** | Find the perimeterOf rectangleL= 6.3 cmW = 14.2 cm**5** | Give the best name for a four-sided polygon whose angles are all right angles and whose sides are all the same length.**6** |  Find each elapsedtime8 : 16 am to12: 35 pm.4 : 22 am to 10 : 50 am  **7**  | Find each changeIn temperature97 ° F to 79 ° F17° F to - 3° F  **8** | **Summer Home Work for FUN** |
| How are a cylinderand a cone alike? A square prism hasHow many faces,Vertices, edges?**10** | Find the perimeter Q_ARE05**11** | Find the volume Of rectangular prism l=14mm w=7mmh=1.3mm**12** | Copy and complete17qt = ------- pt.6gal 2qt = ------ qt6c 2fl oz. – 5fl oz.=700L = ------ mL **13**   | Copy and complete300kg =------- g362mg = ------g9lb 8oz + 7lb 9oz =  **14**  | Complete38 in= ---------ft.8ff 5in=-------in9yd 1ft ------- ft.20m = ------ cm **15** |  |
| Which is the betterBuy?$2.96 for 8 pears Or $1.70 for 5 pears**17** | Is it possible to make an equilateral obtuse triangle? Explain**18** | What is the greatest area of a rectangle with a perimeter of 50?**19** | Write whatinverse operationyou would use toget n for: n – 6;92 + n; nx 18**20**  | Solve eachequationp + 232 = 750a – 7.3 = 12.6**21** | Solve eachequation320 = 16 x m28 ÷ s = 560**22** |  |
|  The number 59 and I are the only two prime numbers between 50 and 60.Who am I?**24**  | One-half of a number added to one-fourth of 96 is 30. What is the number?**25** | In the number 44.444 which digit has 1/10 the value of the 4 in the hundredth place? **26** |  |  |  | davinci.png |