



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.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.

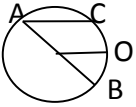
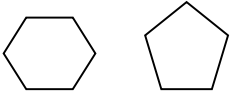
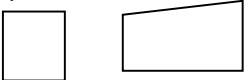

Do not forget to bring your notebook to school on September 5, 2017 - the first school day.

Have a Great Summer!!

Big Apple Academy


Mathematics Department

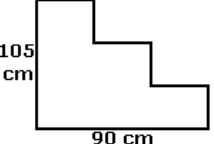
<div style="background-color: black; color: white; padding: 5px; display: inline-block;">July</div> 4 → 5								
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	30	1	Incoming 5th Grade
Variables Algebraic Expression Evaluate 3	Equations Solution 4	Division Pattern Factors 5	Divisibility rules Prime numbers Composite numbers 6	Adding Decimals Subtracting Decimals 7	Distributive Property Estimating 8			Summer Home Work VOCABULARY
Dividing by 2 digit divisors Dividing larger Numbers 10	Order of operations using fractions 11	Mean Median Mode Range 12	Line Line segment Ray Plane 13	Parallel lines Intersecting lines Perpendicular lines 14	Circle Radius Diameter Chord Central angle 15			
Polygon Regular polygon 17	Classifying Triangles 18	Quadrilaterals Parallelogram Rectangle Rhombus 19	Square Trapezoid 20	Fractions Improper fraction Mixed number 21	Equivalent Fractions Decimals 22			
Factor GCF LCM 24	Simplest form Comparing fractions 25	Adding Subtracting Fractions and Mixed numbers 26	Place Value Comparing whole Numbers Standard form Expanded form 27	Multiplying fractions Multiplying mixed numbers 28	Adding and Subtracting Rounding 29			

July					Find 75,397.5 + 897.04 6.7 – 3.85	Find each product 737 x 54 409 x 36	Incoming 5th Grade
4 → 5							
Monday	Tuesday	Wednesday	Thursday	Friday	30	Saturday	1
Evaluate each expression for n=6 $n \times 8.4$; $11.2 - n$ 3	Solve each equation $37 - m = 15$ $25.5b = 25.5$ 4	Write the next Number in this pattern 37,49,61,73, ... 5	Find all the factors of 60 85 6	Write the prime Factorization. Use exponents for each: 200; 162 7	Use the order of operations $135 - 3 - (4 \times 12) + 16$ 8	Summer Home Work for FUN	
Find each quotient $7,368 \div 72$ $36,144 \div 48$ 10	$1\frac{1}{3} \times 6 - \frac{2}{3} + 4\frac{5}{8}$ 11	Find the mean, Median, and mode 64,59,58,58,61 12	Draw and label Two lines segments Two parallel rays Two perpendicular lines 13	Draw and label Two intersecting, But not perpendicular, Line segments 14	 Diameter ----- Chord ----- 15		
 How are the figures alike? 17	The measures of two angles of a triangle are 126° , 24° . Find the measure of the third angle. 18	In quadrilateral three angles are 95° , 140° , 25° . Find the fourth angle. 19	Classify each quadrilateral  Find the measure Of the fourth angle 140° ; 140° ; 30° . 20	Write as a mixed number $\frac{51}{10}$; $\frac{32}{9}$; $\frac{601}{20}$; $\frac{84}{12}$. Write as an improper fraction $5\frac{1}{3}$ 40% ; 21% ; $36\frac{1}{2}$ 21	Write each fraction or mixed number as a decimal $\frac{4}{5}$; $\frac{13}{20}$; $12\frac{3}{8}$; $6\frac{1}{8}$ 22		
What is the GCF Of 18 and 63 What is the LCM Of 9 and 4 24	Simplify each fraction $\frac{12}{30}$; $\frac{14}{42}$; $\frac{12}{48}$; $\frac{24}{60}$. Compare fractions $\frac{5}{6}$ and $\frac{5}{8}$ $5\frac{1}{5}$ and $5\frac{1}{3}$ 25	Find each sum Or difference $\frac{9}{10} - \frac{3}{4}$; $11 - 2\frac{5}{6}$ $12\frac{3}{5} + 3\frac{3}{8}$; $3\frac{1}{6} - 2\frac{1}{5}$ 26	Write the value of the digit 6 in 87,642 Write number in Expanded form 7,450,693,000 27	Find each product $\frac{2}{3} \times \frac{7}{8}$ $\frac{8}{9} \times 27$ 28	Round 4,362,045 to the Nearest hundred thousand Compare 73.42 and 72.56 29		

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<div style="background-color: black; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">August</div> <p style="text-align: center; margin-top: 10px;">4 → 5</p> <p style="text-align: center; margin-top: 5px;">Monday 31</p>	<p style="text-align: center;">Probability</p> <p style="text-align: center; margin-top: 20px;">Tuesday 1</p>	<p style="text-align: center;">Mode Range</p> <p style="text-align: center; margin-top: 20px;">Wednesday 2</p>	<p style="text-align: center;">The Coordinate Plane</p> <p style="text-align: center; margin-top: 20px;">Thursday 3</p>	<p style="text-align: center;">Mean Median</p> <p style="text-align: center; margin-top: 20px;">Friday 4</p>	<p style="text-align: center;">Equivalent fractions.</p> <p style="text-align: center; margin-top: 20px;">Saturday 5</p>	<p style="text-align: center; font-weight: bold; font-size: 1.1em;">Incoming 5th Grade</p>
<p>Dividing fractions Dividing mixed numbers</p> <p style="text-align: right; font-weight: bold;">7</p>	<p>Base Height Area of squares Area of rectangles</p> <p style="text-align: right; font-weight: bold;">8</p>	<p>Perimeter</p> <p style="text-align: right; font-weight: bold;">9</p>	<p>Properties of quadrilaterals</p> <p style="text-align: right; font-weight: bold;">10</p>	<p>Time Units of time Elapsed time</p> <p style="text-align: right; font-weight: bold;">11</p>	<p>Temperature</p> <p style="text-align: right; font-weight: bold;">12</p>	<p style="text-align: center; font-weight: bold; font-size: 1.1em;">Summer Home Work VOCABULARY</p>
<p>Solid figures Faces Vertex Edge</p> <p style="text-align: right; font-weight: bold;">14</p>	<p>Perimeter of irregular figures</p> <p style="text-align: right; font-weight: bold;">15</p>	<p>Volume Formula</p> <p style="text-align: right; font-weight: bold;">16</p>	<p>Customary Units of Capacity Metric Units of Capacity</p> <p style="text-align: right; font-weight: bold;">17</p>	<p>Customary Units of Weight Metric Units of mass</p> <p style="text-align: right; font-weight: bold;">18</p>	<p>Customary units of length Metric units of length</p> <p style="text-align: right; font-weight: bold;">19</p>	
<p>Rates Scale drawings Unit rate</p> <p style="text-align: right; font-weight: bold;">21</p>	<p>Triangle Classify the triangles by sides and angles</p> <p style="text-align: right; font-weight: bold;">22</p>	<p>Area Rectangle Perimeter</p> <p style="text-align: right; font-weight: bold;">23</p>	<p>Equation Properties of equality Inverse operations</p> <p style="text-align: right; font-weight: bold;">24</p>	<p>Solving addition And subtraction equations</p> <p style="text-align: right; font-weight: bold;">25</p>	<p>Solving multiplication and division equations</p> <p style="text-align: right; font-weight: bold;">26</p>	
<p>Prime and composite numbers</p> <p style="text-align: right; font-weight: bold;">28</p>	<p>like denominators unlike denominators</p> <p style="text-align: right; font-weight: bold;">29</p>	<p>Decimal</p> <p style="text-align: right; font-weight: bold;">30</p>				

<p style="text-align: center;">August 4 → 5</p> <p style="text-align: center;">Monday 31</p>	<p style="text-align: center;">Tuesday 1</p>	<p>Find the mean, median, mode and range of a data set. 1.8, 1.95, 1.85, 1.8, 1.6</p> <p style="text-align: center;">Wednesday 2</p>	<p>Use the coordinate plane to graph Each set of points (0, -3) (+5, -1) (+6, +2) (-1, +7) (+6, +6) (+7, 0)</p> <p style="text-align: center;">Thursday 3</p>	<p>Find the probability of getting a sum of 5 or a sum of 7 when two cubes are tossed</p> <p style="text-align: center;">Friday 4</p>	<p>Is $\frac{10}{16} = \frac{15}{20}$? Why or why not? Explain.</p> <p style="text-align: center;">Saturday 5</p>	<p style="text-align: center;">Incoming 5th Grade</p>
<p>How many $\frac{1}{4}$s in $\frac{3}{4}$? $5\frac{1}{7} \div 2\frac{2}{7} = ?$</p> <p style="text-align: right;">7</p>	<p>Find the area of a rectangle with Sides 3.4m and 6.5m Find the area of a square with side 2.4 cm.</p> <p style="text-align: right;">8</p>	<p>Find the perimeter Of rectangle L= 6.3 cm W = 14.2 cm</p> <p style="text-align: right;">9</p>	<p>Give the best name for a four-sided polygon whose angles are all right angles and whose sides are all the same length.</p> <p style="text-align: right;">10</p>	<p>Find each elapsed time 8 : 16 am to 12: 35 pm. 4 : 22 am to 10 : 50 am</p> <p style="text-align: right;">11</p>	<p>Find each change In temperature 97 ° F to 79 ° F 17° F to - 3° F</p> <p style="text-align: right;">12</p>	<p style="text-align: center;">Summer Home Work for FUN</p>
<p>How are a cylinder and a cone alike? A square prism has How many faces, Vertices, edges?</p> <p style="text-align: right;">14</p>	 <p>Find the perimeter</p> <p style="text-align: right;">15</p>	<p>Find the volume Of rectangular prism l=14mm w=7mm h=1.3mm</p> <p style="text-align: right;">16</p>	<p>Copy and complete 17qt = ----- pt. 6gal 2qt = ----- qt 6c 2fl oz. – 5fl oz.= 700L = ----- mL</p> <p style="text-align: right;">17</p>	<p>Copy and complete 300kg =----- g 362mg = -----g 9lb 8oz + 7lb 9oz =</p> <p style="text-align: right;">18</p>	<p>Complete 38 in= -----ft. 8ff 5in=-----in 9yd 1ft ----- ft. 20m = ----- cm</p> <p style="text-align: right;">19</p>	
<p>Which is the better Buy? \$2.96 for 8 pears Or \$1.70 for 5 pears</p> <p style="text-align: right;">21</p>	<p>Is it possible to make an equilateral obtuse triangle? Explain</p> <p style="text-align: right;">22</p>	<p>What is the greatest area of a rectangle with a perimeter of 50?</p> <p style="text-align: right;">23</p>	<p>Write what inverse operation you would use to get n for: n – 6; 92 + n; n x 18</p> <p style="text-align: right;">24</p>	<p>Solve each equation p + 232 = 750 a – 7.3 = 12.6</p> <p style="text-align: right;">25</p>	<p>Solve each equation 320 = 16 x m 28 ÷ s = 560</p> <p style="text-align: right;">26</p>	
<p>The number 59 and I are the only two prime numbers between 50 and 60. Who am I?</p> <p style="text-align: right;">28</p>	<p>One-half of a number added to one-fourth of 96 is 30. What is the number?</p> <p style="text-align: right;">29</p>	<p>In the number 44.444 which digit has 1/10 the value of the 4 in the hundredth place?</p> <p style="text-align: right;">30</p>				