



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.


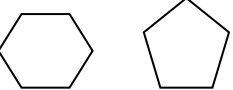
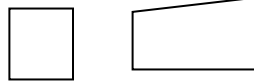

Do not forget to bring your notebook to school on September 1, 2016 - the first school day.

Have a Great Summer!!

Big Apple Academy


Mathematics Department

| July | | | | | | | | | | Incoming 5th Grade | |
|--|--|--|--|---|---|---|----------|------------------------------------|--|---------------------------|--|
| 4 → 5 | | | | | | | | | | | |
| Monday | Tuesday | Wednesday | Thursday | Friday | 1 | Saturday | 2 | | | | |
| Variables Algebraic Expression Evaluate 4 | Equations Solution 5 | Division Pattern Factors 6 | Divisibility rules Prime numbers Composite numbers 7 | Adding Decimals Subtracting Decimals 8 | Prime factorization | Distributive Property Estimating | 9 | Summer Home Work VOCABULARY | | | |
| Dividing by 2 digit divisors Dividing larger Numbers 11 | Order of operations using fractions 12 | Mean Median Mode Range 13 | Line Line segment Ray Plane 14 | Parallel lines Intersecting lines Perpendicular lines 15 | Circle Radius Diameter Chord Central angle 16 | | | | | | |
| Polygon Regular polygon 18 | Classifying Triangles 19 | Quadrilaterals Parallelogram Rectangle Rhombus 20 | Square Trapezoid 21 | Fractions Improper fraction Mixed number 22 | Equivalent Fractions Decimals 23 | | | | | | |
| Factor GCF LCM 25 | Simplest form Comparing fractions 26 | Adding Subtracting Fractions and Mixed numbers 27 | Place Value Comparing whole Numbers Standard form Expanded form 28 | Multiplying fractions Multiplying mixed numbers 29 | Adding and Subtracting Rounding 30/31 |  | | | | | |

| 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 | 1 | Saturday | 2 | | | | |
| Evaluate each expression for n=6 n x 8.4; 11.2 – n 4 | Solve each equation 37 – m = 15 25.5b = 25.5 5 | Write the next Number in this pattern 37,49,61,73, ... 6 | Find all the factors of 60 85 7 | Write the prime Factorization. Use exponents for each: 200; 162 8 | Use the order of operations 135 - 3 – (4 x 12) + 16 9 | Summer Home Work for FUN | | | | | |
| Find each quotient 7,368 ÷ 72 36,144 ÷ 48 11 | $1\frac{1}{3} \times 6 - \frac{2}{3} + 4\frac{5}{8}$ 12 | Find the mean, Median, and mode 64,59,58,58,61 13 | Draw and label Two lines segments Two parallel rays Two perpendicular lines 14 | Draw and label Two intersecting, But not perpendicular, Line segments 15 |  Diameter ----- Chord ----- 16 | | | | | | |
|  How are the figures alike? 18 | The measures of two angles of a triangle are 126°, 24°. Find the measure of the third angle. 19 | In quadrilateral three angles are 95°, 140°, 25°. Find the fourth angle. 20 | Classify each quadrilateral  Find the measure Of the fourth angle 140°; 140°; 30°. 21 | Write as a mixed number $\frac{51}{10}$, $\frac{32}{9}$; $\frac{601}{20}$, $\frac{84}{12}$. Write as an improper fraction 5 $\frac{1}{5}$ 40 $\frac{1}{5}$; 21 $\frac{2}{3}$; 36 $\frac{1}{2}$ 22 | Write each fraction or mixed number as a decimal $\frac{4}{5}$, $\frac{13}{20}$; 12 $\frac{2}{5}$; 6 $\frac{1}{8}$ 23 | | | | | | |
| What is the GCF Of 18 and 63 What is the LCM Of 9 and 4 25 | 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 $\frac{1}{3}$ 26 | 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 $\frac{1}{5}$ 27 | Write the value of the digit 6 in 87,642 Write number in Expanded form 7,450,693,000 28 | Find each product $\frac{2}{3} \times \frac{7}{8}$ $\frac{8}{9} \times 27$ 29 | Round 4,362,045 to the Nearest hundred thousand Compare 73.42 and 72.56 30/31 |  | | | | | |

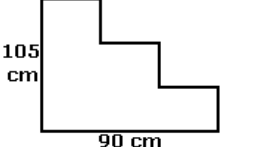

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| <div style="background-color: black; color: white; padding: 5px; font-weight: bold; font-size: 24px;">August</div> <p style="text-align: center; margin-top: 10px;">4 → 5</p> <p style="text-align: center;">Monday 1</p> | <p style="text-align: center;">Probability</p> <p style="text-align: center;">Tuesday 2</p> | <p style="text-align: center;">Mode Range</p> <p style="text-align: center;">Wednesday 3</p> | <p style="text-align: center;">The Coordinate Plane</p> <p style="text-align: center;">Thursday 4</p> | <p style="text-align: center;">Mean Median</p> <p style="text-align: center;">Friday 5</p> | <p style="text-align: center;">Equivalent fractions.</p> <p style="text-align: center;">Saturday 6</p> | <p style="text-align: center; font-weight: bold; font-size: 18px;">Incoming 5th Grade</p> |
|---|--|---|---|---|---|--|
| <p>Dividing fractions Dividing mixed numbers</p> <p style="text-align: right;">8</p> | <p>Base Height Area of squares Area of rectangles</p> <p style="text-align: right;">9</p> | <p>Perimeter</p> <p style="text-align: right;">10</p> | <p>Properties of quadrilaterals</p> <p style="text-align: right;">11</p> | <p>Time Units of time Elapsed time</p> <p style="text-align: right;">12</p> | <p>Temperature</p> <p style="text-align: right;">13</p> | <p style="text-align: center; font-weight: bold; font-size: 18px;">Summer Home Work VOCABULARY</p> |
| <p>Solid figures Faces Vertex Edge</p> <p style="text-align: right;">15</p> | <p>Perimeter of irregular figures</p> <p style="text-align: right;">16</p> | <p>Volume Formula</p> <p style="text-align: right;">17</p> | <p>Customary Units of Capacity Metric Units of Capacity</p> <p style="text-align: right;">18</p> | <p>Customary Units of Weight Metric Units of mass</p> <p style="text-align: right;">19</p> | <p>Customary units of length Metric units of length</p> <p style="text-align: right;">20</p> | |
| <p>Rates Scale drawings Unit rate</p> <p style="text-align: right;">22</p> | <p>Triangle Classify the triangles by sides and angles</p> <p style="text-align: right;">23</p> | <p>Area Rectangle Perimeter</p> <p style="text-align: right;">24</p> | <p>Equation Properties of equality Inverse operations</p> <p style="text-align: right;">25</p> | <p>Solving addition And subtraction equations</p> <p style="text-align: right;">26</p> | <p>Solving multiplication and division equations</p> <p style="text-align: right;">27</p> | |
| <p>Prime and composite numbers</p> <p style="text-align: right;">29</p> | <p>like denominators unlike denominators</p> <p style="text-align: right;">30</p> | <p>Decimal</p> <p style="text-align: right;">31</p> | | | |  |

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|---|---|---|---|--|--|---|
| <p style="text-align: center;">August 4 → 5</p> <p style="text-align: center;">Monday 1</p> | <p style="text-align: center;">Tuesday 2</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 3</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 4</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 5</p> | <p>Is $\frac{10}{16} = \frac{15}{20}$? Why or why not? Explain.</p> <p style="text-align: center;">Saturday 6</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;">8</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;">9</p> | <p>Find the perimeter Of rectangle L= 6.3 cm W = 14.2 cm</p> <p style="text-align: right;">10</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;">11</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;">12</p> | <p>Find each change In temperature 97 ° F to 79 ° F 17° F to - 3° F</p> <p style="text-align: right;">13</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;">15</p> |  <p>Find the perimeter</p> <p style="text-align: right;">16</p> | <p>Find the volume Of rectangular prism l=14mm w=7mm h=1.3mm</p> <p style="text-align: right;">17</p> | <p>Copy and complete 17qt = ----- pt. 6gal 2qt = ----- qt 6c 2fl oz. – 5fl oz.= 700L = ----- mL</p> <p style="text-align: right;">18</p> | <p>Copy and complete 300kg =----- g 362mg = -----g 9lb 8oz + 7lb 9oz =</p> <p style="text-align: right;">19</p> | <p>Complete 38 in= -----ft. 8ff 5in=-----in 9yd 1ft ----- ft. 20m = ----- cm</p> <p style="text-align: right;">20</p> | |
| <p>Which is the better Buy? \$2.96 for 8 pears Or \$1.70 for 5 pears</p> <p style="text-align: right;">22</p> | <p>Is it possible to make an equilateral obtuse triangle? Explain</p> <p style="text-align: right;">23</p> | <p>What is the greatest area of a rectangle with a perimeter of 50?</p> <p style="text-align: right;">24</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;">25</p> | <p>Solve each equation p + 232 = 750 a – 7.3 = 12.6</p> <p style="text-align: right;">26</p> | <p>Solve each equation 320 = 16 x m 28 ÷ s = 560</p> <p style="text-align: right;">27</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;">29</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;">30</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;">31</p> | | | |  |