



Grade 3 → 4 Summer Homework Math Package

It is important that you keep practicing your mathematical Knowledge over the summer to be ready for **4th 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
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- 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

<div style="background-color: black; color: white; padding: 5px; font-weight: bold; font-size: 24px;">July</div> <p>3 → 4</p> <p>Monday</p>	<p>Tuesday</p>	<p>Wednesday 29</p>	<p>Thursday 30</p>	<p>Friday 1</p>	<p>Saturday 2</p>	<p>Incoming 4th Grade</p>
Difference Inverse Operations Fact Families 4	Variable Numerical and Algebraic Expressions 5	Equation The solution of the equation Evaluate expression 6	Product Factors Multiple 7	Property of Multiplication Distributive Property 8	Dividend Divisor Quotient Remainder 9	<p>Summer Home Work VOCABULARY</p>
Units of Time Elapsed Time Ordinal Numbers 11	Survey Data Tally Marks 12	Pictograph Line Plot Bar Graph Line Graph 13	Coordinate Grid Ordered Pair Plot 14	Range Median Mode Mean 15	Compatible Numbers Range 16	
Divisibility Rules 2,5,and 10 18	Divisibility Rules 3,9,6 19	Divisibility Rules 4, 11 20	Solid Figures Face Edge Vertex Net 21	Polygon Side Vertex Regular Polygon 22	Point Line Line Segment Ray 23	
Angle Type of angles 25	Pairs of lines Name of Polygons 26	Type of triangles 27	Standard form of the number Expanded form Word form Period 28	Type of quadrilaterals 29		

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<div style="background-color: black; color: white; padding: 5px; text-align: center;"> <h2 style="margin: 0;">July</h2> <p style="margin: 0;">3 → 4</p> </div> <p style="text-align: center;">Monday</p>	<p style="text-align: center;">Tuesday</p>	<p style="text-align: center;">Wednesday 29</p>	<p style="text-align: center;">Thursday 30</p>	<p style="text-align: center;">Friday 1</p>	<p style="text-align: center;">Saturday 2</p>
<p>Write the rule for each pattern and write the next number 6, 12, 18, 24, _ 7,15,12, 20,17,_</p> <p style="text-align: right;">4</p>	<p>Dan collected 435 stamps. He gave away 187 of them. How many stamps did he have left?</p> <p style="text-align: right;">5</p>	<p>1. What is the value of k, if $47 - n = 30$ 2. $612 / 5$ 3. $597 / 7$</p> <p>1. $7 - 1.28$ 2. $6.08 - 3.29$ 3. 5.67×24 4. $2917 / 4$</p> <p style="text-align: right;">6</p>	<p>1. Seven friends shared 259 stamps equally. How many did each friend receive? 2. 8.59×62</p> <p>21 games were bought for Children’s Hospital. Each game cost \$6.98. How much money was spent in all?</p> <p style="text-align: right;">7</p>	<p>1. $6,327 / 9$ 2. 256×48 3. $67 - 8.56$ 4. 3.19×2.8</p> <p>Maria bought a shirt for \$19.50 and pants for \$18.95. He got \$1.55 change. How much money did she have?</p> <p style="text-align: right;">8</p>	<p>Paula ran for 195 minutes this weekend. She ran 25 min more on Saturday than on Sunday. For how long did she run each day?</p> <p>8, 9, 6, 8, 7, 1, 3 Find the range, the mean, the median, and the mode. $9842 / 6$ $8 \times 6 + 24 / 8$</p> <p style="text-align: right;">9</p>
<p>Write the rule for each pattern and write the next number 6,13,27,55 5,13,29,61 10,17,24,31</p> <p style="text-align: right;">11</p>	<p>How many: Feet in 3 yards Quarts in 4 gallons Ounces in 7 pounds</p> <p style="text-align: right;">12</p>	<p>36, 40,45, 38, 40, 48, 42, 45,57,45 Find the range, the mean, the median, and the mode.</p> <p style="text-align: right;">13</p>	<p>Mira has 18 rose bushes in her garden. Each spring, each bush has about 11 rose blooms. About how many rose blooms will Mira have?</p> <p style="text-align: right;">14</p>	<p>Fred is collecting shells on the beach. If he finds a shell every three steps that he takes, how many shells will he find after 30 steps?</p> <p style="text-align: right;">15</p>	<p>Marie is going across the monkey bars at school. There are 16 bars on the monkey bars. If she starts with the first bar and skip two bars each time she swings, how many bars will she touch in all?</p> <p style="text-align: right;">16</p>
<p>Jo and Jill were baking cookies. Each batch will make 18 cookies. They want to make enough so that each student can have 2. If there are 25 people, how many batches of cookies do they need to make?</p> <p style="text-align: right;">18</p>	<p>Bryan has six dogs that each eats one-half cup of food each morning. If he has 20 cups of food, how many days can he feed all his dogs?</p> <p style="text-align: right;">19</p>	<p>Skip was counting his change and found that it totaled \$6.73. He had 18 pennies, 14 quarters, and 2 half-dollars, and 5 dimes. How many nickels did he have?</p> <p style="text-align: right;">20</p>	<p>Sam has 20 coins, some of them are dimes and others are nickels. If the total is \$1.55, how many dimes are there?</p> <p style="text-align: right;">21</p>	<p>Every three steps, Norma and Kris would each throw one stone. If they each walked 90 steps, how many rocks were thrown into the river by both Norma and Kris?</p> <p style="text-align: right;">22</p>	<p>Betsy has 2 piles of clothes in her bedroom. There are 15 pairs of pants, 12 shirts. If the washing machine will hold only 4 shirts and 3 pairs of pants at one time, how many loads of laundry will Betsy have to do to clean all of her clothes?</p> <p style="text-align: right;">23</p>
<p>What shape has four sides and one pair of opposite sides that are parallel? How many edges does a cube have? How many equal sides does scalene triangle have?</p> <p style="text-align: right;">25</p>	<p>Marcia is 2 years older than Rosa. Rosa is 3 years older than Lisa. Lisa is 2 years younger than her 11-year-old brother. How old is Marcia?</p> <p style="text-align: right;">26</p>	<p>Ben played basketball for 3 months and made 73 baskets. In February he made 20 baskets and twice that number in March. How many did he make in January?</p> <p style="text-align: right;">27</p>	<p>1. Simplify: $22 - 3 + (8 - 1) \cdot 4$</p> <p>2. Find: 338×46</p> <p style="text-align: right;">28</p>	<p style="text-align: center;">Incoming 4th Grade</p> <p style="text-align: right;">29</p>	

August										Congruent Figures Similar Figures Motions		Incoming 4th Grade	
3 → 4													
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		30	
Line of Symmetry Perimeter Area 1		Area of rectangle Volume of a Rectangular Prism 2		Fraction Numerator Denominator 3		Equivalent Fractions Rules to compare fractions 4		Prime and Composite Numbers Common Factors Simplest form of fractions 5		Mixed Number Improper fraction Circle Graphs 6		Summer Home Work VOCABULARY	
Customary Units of Length Inch Feet Yard Mile 8		Customary Units of Capacity Cup Pint Quart Gallon 9		Customary Units of Weight Ounce Pound 10		Decimals Place Value Tenths Hundredths 11		Compare Decimals Equivalent Decimals 12		Metric Units of Length Meter 13			
Metric Units Of Capacity Liter 15		Mass and Metric Units 16		Inequality Solution 17		Probability Fair Unfair 18		Money Name of Coins 19		Order of Operations PEMDAS 20			
Problem-Solving Strategy 22		Temperature: units and important numbers 23		Regrouping 24		Even Numbers Odd Numbers Counting Numbers Whole Numbers 25		Unit cost Unit Fractions 26		Mathematics Tools 27			

