



2017

Grade 2 → 3 Summer Homework Math Package

It is important that you keep practicing your mathematical Knowledge over the summer to be ready for **3rd 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;
- Start each day with vocabulary words: copy each word, find and write the meaning of each word in your notebook;
- 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 with full explanation;
- 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

July 2 → 3 Monday	Tuesday	Wednesday	Thursday	Friday 31	Saturday 1	Incoming 3rd Grade
Word Form Period 3	Compare Even Number Odd Number 4	Rounding Estimate 5	Decimal Point Dollar Sign 6	Addends Sum 7	Properties of Addition (Commutative, Associative, Identity) 8	Summer Home Work
Fact Family Difference 10	Front-End Estimation Compatible Numbers 11	Overestimate Underestimate 12	Order Number Line 13	Equation Number Sentence 14	Regroup Expression Change 15	Vocabulary
Hour Minute Second 17	Half Hour Quarter Hour 18	A.M. P.M. 19	Elapsed Time Leap Year 20	Year Month Week 21	Decade Century 22	
Data Scale 24	Key Survey 25	Line Plot Pictograph 26	Line Graph Bar Graph 27	Coordinate Grid Ordered Pair 28	Tally Chart Tally Mark 29	

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<div style="background-color: black; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">July</div> <p style="text-align: center; font-weight: bold; font-size: 20px;">2 → 3</p> <p style="text-align: center; font-weight: bold;">Monday</p>	<p style="text-align: center; font-weight: bold;">Tuesday</p>	<p style="text-align: center; font-weight: bold;">Wednesday</p>	<p style="text-align: center; font-weight: bold;">Thursday</p>	<p style="text-align: center; font-weight: bold;">Friday 31</p>	<p style="text-align: center; font-weight: bold;">Saturday 1</p>	<p style="text-align: center; font-weight: bold;">Incoming 3rd Grade</p>
<p>Write the value of the underlined digit:</p> <p>a) <u>7</u>7,059 b) 18<u>6</u>,840 c) <u>8</u>46,924 d) 6<u>8</u>4,061</p> <p style="text-align: right; font-weight: bold;">3</p>	<p>Round to the nearest ten:</p> <p>a) 94,654 b) 394 c) 7,546 d) 45,651 e) 845,671</p> <p style="text-align: right; font-weight: bold;">4</p>	<p>Round to the nearest hundred:</p> <p>a) 733 b) 184 c) 5,642 d) 98,557 e) 58,961 f) 364,248</p> <p style="text-align: right; font-weight: bold;">5</p>	<p>Kevin bought a toy for \$4.29. He paid with a \$10.00 bill. How much change did he receive in dollars and cents?</p> <p style="text-align: right; font-weight: bold;">6</p>	<p>Write each number in standard form:</p> <p>a) 14,000 +600 +10+4 b) 900,000+ 1,000 +700+6.</p> <p>Mental Math: a)56+29 b) 75+28 c)132+54 d)71-45 e)88-29 f)100-26 g)63+49 h)54-39</p> <p style="text-align: right; font-weight: bold;">7</p>	<p>What is the greatest possible 5- digit number you can make from the digits 5, 3, 7, 9, 6? The smallest possible?</p> <p>Mark the odd numbers: 45 69 96 148 623 82 15 90 131.</p> <p style="text-align: right; font-weight: bold;">8</p>	<p style="text-align: center; font-weight: bold;">Summer Home Work</p>
<p>Estimate each sum or difference:</p> <p>a) 398+125 b) 518+249 c) 288+87 d)617-263 e) 924-70</p> <p style="text-align: right; font-weight: bold;">10</p>	<p>Write the numbers in order from least to greatest: 978, 1,005, 994, 482, 1,125, 459</p> <p style="text-align: right; font-weight: bold;">11</p>	<p>Find the missing numbers:</p> <p>a) 7 +8 + X =40 b) (12+7)+X=34</p> <p style="text-align: right; font-weight: bold;">12</p>	<p>Two friends hiked near a waterfall. It took them 158 minutes to hike up and 106 minutes to come down. About how long did they hike?</p> <p style="text-align: right; font-weight: bold;">13</p>	<p>20+16=36, so 36-x=20, find X.</p> <p style="text-align: right; font-weight: bold;">14</p>	<p>April needs to estimate the sum of 427 and 358. Should she round to the nearest ten or to the nearest hundred to get a closer answer? Explain.</p> <p style="text-align: right; font-weight: bold;">15</p>	<p style="text-align: center; font-weight: bold;">Problem of the day</p>
<p>Write vertically and solve:</p> <p>a) 6,149+95 b) 65,267+85</p> <p style="text-align: right; font-weight: bold;">17</p>	<p>Round then add:</p> <p>a) 3,785+2,423= b) 458+149= c) 976+589+34=</p> <p style="text-align: right; font-weight: bold;">18</p>	<p>Mr. P drove 198 mi. before lunch and 154 mi. after. How much did he drive in all?</p> <p style="text-align: right; font-weight: bold;">19</p>	<p>Round then subtract: 8,146 - 564</p> <p style="text-align: right; font-weight: bold;">20</p>	<p>Solve:</p> <p>a)105-49 b)500-265 c) \$3.95+\$7.46= d) \$ 20.00-\$11.80=</p> <p style="text-align: right; font-weight: bold;">21</p>	<p>Compare. Use <, >, =.</p> <p>a) 12+5_20 b) 56-4_62 c) 37-21_6+19</p> <p style="text-align: right; font-weight: bold;">22</p>	
<p>Write the time in 2 ways: 12:30 ; 4:15 ; 9:45; 11:20 ; 5:25; 7:35</p> <p style="text-align: right; font-weight: bold;">24</p>	<p>Find the elapsed time:</p> <p>a) Start: 4:00 P.M. End: 8:00 PM b) Start: 6:00 P.M. End 7: 15 P.M</p> <p style="text-align: right; font-weight: bold;">25</p>	<p>Tara’s baby sister naps between 12:45 PM and 2:30 PM every day. How long does Tara’s sister nap for?</p> <p style="text-align: right; font-weight: bold;">26</p>	<p>a) How many days are there in 3 weeks? 5 weeks? b) Write the months of the year with their ordinal numbers.</p> <p style="text-align: right; font-weight: bold;">27</p>	<p>Draw a coordinate grid on grid paper. Mark each ordered pair on the grid. A (3,5) ; B (0,4) ; C (5,0) ; D (6,6) ; E (2, 7)</p> <p style="text-align: right; font-weight: bold;">28</p>	<p>If each symbol on a pictograph stands for 2 days, how many symbols do you need to show 6 days? 7 days? 8 days? 12 days?</p> <p style="text-align: right; font-weight: bold;">29</p>	

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August 2 → 3 Monday 31	Multiply Factor Product Tuesday 1	Array Multiple Wednesday 2	Square numbers Twice Thursday 3	Properties of Multiplication (Associative, Distributive) Friday 4	Properties of Multiplication (Zero, Identity) Saturday 5	Incoming 3rd Grade
Division Equal Groups 7	Dividend Divisor 8	Quotient Remainder 9	Divisible Multi-Step Problem 10	Edge Face Vertex 11	Intersecting Lines Line Segment 12	Summer Home Work
Line Segment Parallel Lines 14	Perpendicular Ray Angle 15	Types of Angles (Acute, Obtuse, Right) 16	Polygon Triangle 17	Types of Triangles: Equilateral, Isosceles, Scalene 18	Types of Triangles: Right, Acute, Obtuse 19	Vocabulary
Parallelogram Rhombus Square 21	Trapezoid Rectangle Quadrilateral 22	Line of symmetry Symmetrical 23	Flip Slide Turn 24	Perimeter Area Volume 25	Fraction Unit Fraction 26	
Numerator Denominator 28	Equivalent Fraction Mixed Number 29	Inch Foot Yard Mile 30				

August							
2 → 3							
Monday	31	Tuesday	1	Wednesday	2	Thursday	3
		Friday	4			Saturday	5
<p>Find the product.</p> <p>a) $22 \times 4 \times 6 =$ b) $29 \times 7 \times 0 =$ c) $7 \times 4 \times 2 =$ d) $(10 \times 8) \times 6 =$ e) $(5 \times 5) \times 4$</p> <p style="text-align: right;">7</p>	<p>What number is 2 more than 7 times 6?</p> <p style="text-align: right;">8</p>	<p>Joan can bake 1 dozen cookies in 15 minutes. How long will it take her to bake 3 dozen cookies?</p> <p style="text-align: right;">9</p>	<p>Write a multiplication sentence to solve how many legs these animals have in total. 7 horses? 5 cats? 6 ducks?</p> <p style="text-align: right;">10</p>	<p>Write a numerical expression for each phrase:</p> <p>a) the product of four and eight b) 17 more than 20</p> <p style="text-align: right;">11</p>	<p>Write a division story for $20 \div 5$. Solve.</p> <p style="text-align: right;">12</p>	Incoming 3rd Grade	
<p>Label the divisor, dividend and quotient in the division sentence? $72 \div 8 = 9$</p> <p style="text-align: right;">14</p>	<p>Amy made 45 cookies. She put them into 5 equal groups. How many cookies were in each group?</p> <p style="text-align: right;">15</p>	<p>Solve:</p> <p>a) $17 \div 2 = \underline{\quad} R \underline{\quad}$ b) $24 \div 5 = \underline{\quad} R \underline{\quad}$ c) $47 \div 7 = \underline{\quad} R \underline{\quad}$ d) $20 \div 7 = \underline{\quad} R \underline{\quad}$</p> <p style="text-align: right;">16</p>	<p>A team leader divided a group of 24 kids into teams. Can he divide the children equally into teams of 5? Teams of 8?</p> <p style="text-align: right;">17</p>	<p>How many faces, edges, and vertices does each figure have?</p> <p>a) cylinder b) cube</p> <p style="text-align: right;">18</p>	<p>How are a rectangle and a parallelogram alike? How are they different?</p> <p style="text-align: right;">19</p>	Summer Home Work	
<p>The perimeter of a square is 12 inches. What is the length of each side?</p> <p style="text-align: right;">21</p>	<p>Find the perimeter and area of a rectangle that has a length of 6 and a width of 2.</p> <p style="text-align: right;">22</p>	<p>Draw a square. Then draw a line that divides the square into 2 congruent shapes. Name these shapes.</p> <p style="text-align: right;">23</p>	<p>Juan has \$20 to spend. He wants to spend \$3 each day for 5 days and \$4 on the weekend. Does he have enough money?</p> <p style="text-align: right;">24</p>	<p>Bert bought 4 books for \$7 each and a comic for \$5. He paid with a \$50 bill. How much change did Bert receive?</p> <p style="text-align: right;">25</p>	<p>Elliot finished studying at 4:45 PM. He spent 30 min. reading, 45 min., doing math hw and took a 20 min. break. What time did he start?</p> <p style="text-align: right;">26</p>	Problem of the day	
<p>Sam read $\frac{5}{6}$ of his assignment. Judy has read $\frac{10}{12}$ of her assignment. Who has read more?</p> <p style="text-align: right;">28</p>	<p>Order the following fractions from least to greatest: $\frac{2}{4}$; $\frac{1}{3}$; $\frac{1}{6}$</p> <p style="text-align: right;">29</p>	<p>Find:</p> <p>a) $\frac{1}{5}$ of 10 b) $\frac{1}{3}$ of 18 c) $\frac{1}{8}$ of 32</p> <p style="text-align: right;">30</p>				