



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 1, 2016 - the first school day.

Have a Great Summer!!


Big Apple Academy

Mathematics Department

July 2 → 3 Monday	Tuesday	Wednesday	Thursday	Friday 1	Saturday 2	Incoming 3rd Grade
Word Form Period 4	Compare Even Number Odd Number 5	Rounding Estimate 6	Decimal Point Dollar Sign 7	Addends Sum 8	Properties of Addition (Commutative, Associative, Identity) 9	Summer Home Work
Fact Family Difference 11	Front-End Estimation Compatible Numbers 12	Overestimate Underestimate 13	Order Number Line 14	Equation Number Sentence 15	Regroup Expression Change 16	Vocabulary
Hour Minute Second 18	Half Hour Quarter Hour 19	A.M. P.M. 20	Elapsed Time Leap Year 21	Year Month Week 22	Decade Century 23	
Data Scale 25	Key Survey 26	Line Plot Pictograph 27	Line Graph Bar Graph 28	Coordinate Grid Ordered Pair 29	Tally Chart Tally Mark 30	

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<div style="background-color: black; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 24px;">July</div> <div style="text-align: center; font-weight: bold; font-size: 20px;">2 → 3</div> <div style="text-align: center; font-weight: bold;">Monday</div>	Tuesday	Wednesday	Thursday	Friday 1	Saturday 2	Incoming 3rd Grade
Write the value of the underlined digit: 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 <div style="text-align: right; font-weight: bold;">4</div>	Round to the nearest ten: a) 94,654 b) 394 c) 7,546 d) 45,651 e) 845,671 <div style="text-align: right; font-weight: bold;">5</div>	Round to the nearest hundred: a) 733 b) 184 c) 5,642 d) 98,557 e) 58,961 f) 364,248 <div style="text-align: right; font-weight: bold;">6</div>	Kevin bought a toy for \$4.29. He paid with a \$10.00 bill. How much change did he receive in dollars and cents? <div style="text-align: right; font-weight: bold;">7</div>	Write each number in standard form: a) 14,000 +600 +10+4 b) 900,000+ 1,000 +700+6. 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 <div style="text-align: right; font-weight: bold;">8</div>	What is the greatest possible 5- digit number you can make from the digits 5, 3, 7, 9, 6? The smallest possible? <div style="text-align: right; font-weight: bold;">9</div>	Summer Home Work
Estimate each sum or difference: a) 398+125 b) 518+249 c) 288+87 d)617-263 e) 924-70 <div style="text-align: right; font-weight: bold;">11</div>	Write the numbers in order from least to greatest: 978, 1,005, 994, 482, 1,125, 459 <div style="text-align: right; font-weight: bold;">12</div>	Find the missing numbers: a) 7 +8 + X =40 b) (12+7)+X=34 <div style="text-align: right; font-weight: bold;">13</div>	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? <div style="text-align: right; font-weight: bold;">14</div>	$20+16=36$, so $36-x=20$, find X. <div style="text-align: right; font-weight: bold;">15</div>	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. <div style="text-align: right; font-weight: bold;">16</div>	Problem of the day
Write vertically and solve: a) 6,149+95 b) 65,267+85 <div style="text-align: right; font-weight: bold;">18</div>	Round then add: a) 3,785+2,423= b) 458+149= c) 976+589+34= <div style="text-align: right; font-weight: bold;">19</div>	Mr. P drove 198 mi. before lunch and 154 mi. after. How much did he drive in all? <div style="text-align: right; font-weight: bold;">20</div>	Round then subtract: 8,146 - 564 <div style="text-align: right; font-weight: bold;">21</div>	Solve: a)105-49 b)500-265 c) \$3.95+\$7.46= d) \$ 20.00-\$11.80= <div style="text-align: right; font-weight: bold;">22</div>	Compare. Use <, >, =. a) 12+5_20 b) 56-4_62 c) 37-21_6+19 <div style="text-align: right; font-weight: bold;">23</div>	
Write the time in 2 ways: 12:30 ; 4:15 ; 9:45; 11:20 ; 5:25; 7:35 <div style="text-align: right; font-weight: bold;">25</div>	Find the elapsed time: a) Start: 4:00 P.M. End: 8:00 PM b) Start: 6:00 P.M. End 7: 15 P.M <div style="text-align: right; font-weight: bold;">26</div>	Tara’s baby sister naps between 12:45 PM and 2:30 PM every day. How long does Tara’s sister nap for? <div style="text-align: right; font-weight: bold;">27</div>	a) How many days are there in 3 weeks? 5 weeks? b) Write the months of the year with their ordinal numbers. <div style="text-align: right; font-weight: bold;">28</div>	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) <div style="text-align: right; font-weight: bold;">29</div>	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? <div style="text-align: right; font-weight: bold;">30</div>	

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<p>August 2 → 3</p> <p>1</p>	<p>Multiply Factor Product</p> <p>Tuesday 2</p>	<p>Array Multiple</p> <p>Wednesday 3</p>	<p>Square numbers Twice</p> <p>Thursday 4</p>	<p>Properties of Multiplication (Associative, Distributive)</p> <p>Friday 5</p>	<p>Properties of Multiplication (Zero, Identity)</p> <p>Saturday 6</p>	<p>Incoming 3rd Grade</p>
<p>Division Equal Groups</p> <p>8</p>	<p>Dividend Divisor</p> <p>9</p>	<p>Quotient Remainder</p> <p>10</p>	<p>Divisible Multi-Step Problem</p> <p>11</p>	<p>Edge Face Vertex</p> <p>12</p>	<p>Intersecting Lines Line Segment</p> <p>13</p>	<p>Summer Home Work</p>
<p>Line Segment Parallel Lines</p> <p>15</p>	<p>Perpendicular Ray Angle</p> <p>16</p>	<p>Types of Angles (Acute, Obtuse, Right)</p> <p>17</p>	<p>Polygon Triangle</p> <p>18</p>	<p>Types of Triangles: Equilateral, Isosceles, Scalene</p> <p>19</p>	<p>Types of Triangles: Right, Acute, Obtuse</p> <p>20</p>	<p>Vocabulary</p>
<p>Parallelogram Rhombus Square</p> <p>22</p>	<p>Trapezoid Rectangle Quadrilateral</p> <p>23</p>	<p>Line of symmetry Symmetrical</p> <p>24</p>	<p>Flip Slide Turn</p> <p>25</p>	<p>Perimeter Area Volume</p> <p>26</p>	<p>Fraction Unit Fraction</p> <p>27</p>	
<p>Numerator Denominator</p> <p>29</p>	<p>Equivalent Fraction Mixed Number</p> <p>30</p>	<p>Inch Foot Yard Mile</p> <p>31</p>				

<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; font-weight: bold;">2 → 3</p> <p style="text-align: center;">Monday 1</p>	<p>Draw an array to show each multiplication fact. Find the product.</p> <p>a) 5×6 b) 3×4</p> <p style="text-align: center;">Tuesday 2</p>	<p>Cope and complete. Use $<$, $>$, or $=$.</p> <p>a) 0×7 ___ 7×1 b) 2×3 ___ 3×2 c) 5×1 ___ 5×10</p> <p style="text-align: center;">Wednesday 3</p>	<p>Josh had 5 carrots. He cut each into 3 pieces. How many carrot pieces does Josh have?</p> <p style="text-align: center;">Thursday 4</p>	<p>Write the multiples of 2, 5, 7, 8 and 9. Find the pattern.</p> <p style="text-align: center;">Friday 5</p>	<p>Ed is 4 years old. Ryan is twice as old as Ed. James is half of Ed's age. How old are Ryan and James?</p> <p style="text-align: center;">Saturday 6</p>	
<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: center;">8</p>	<p>What number is 2 more than 7 times 6?</p> <p style="text-align: center;">9</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: center;">10</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: center;">11</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: center;">12</p>	<p>Write a division story for $20 \div 5$. Solve.</p> <p style="text-align: center;">13</p>	<p>Incoming 3rd Grade</p>
<p>Label the divisor, dividend and quotient in the division sentence? $72 \div 8 = 9$</p> <p style="text-align: center;">15</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: center;">16</p>	<p>Solve:</p> <p>a) $17 \div 2 =$ ___ R ___ b) $24 \div 5 =$ ___ R ___ c) $47 \div 7 =$ ___ R ___ d) $20 \div 7 =$ ___ R ___</p> <p style="text-align: center;">17</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: center;">18</p>	<p>How many faces, edges, and vertices does each figure have?</p> <p>a) cylinder b) cube</p> <p style="text-align: center;">19</p>	<p>How are a rectangle and a parallelogram alike? How are they different?</p> <p style="text-align: center;">20</p>	<p>Summer Home Work</p>
<p>The perimeter of a square is 12 inches. What is the length of each side?</p> <p style="text-align: center;">22</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: center;">23</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: center;">24</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: center;">25</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: center;">26</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: center;">27</p>	<p>Problem of the day</p>
<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: center;">29</p>	<p>Order the following fractions from least to greatest: $\frac{2}{4}$; $\frac{1}{3}$; $\frac{1}{6}$</p> <p style="text-align: center;">30</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: center;">31</p>				