

**Big Apple Academy
2021
Mathematics Department**



Summer Math Homework Package

Grade 2 → 3

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:

https://dynamiclearningmaps.org/sites/default/files/documents/ERP/dlm_math_glossary.pdf


- 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 9, 2021 - the first school day.

Have a Great Summer!!


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July 2 → 3 Monday	Tuesday	Wednesday	Thursday 1	Friday 2	Saturday 3	Incoming 3rd Grade
Place Value Period 5	Round 6	Even Number Odd Number 7	Simplest Form Of a Fraction 8	Digit Standard Form 9	Expanded Form Word Form 10	Summer Home Work
Estimate Difference 12	Order 13	Equation 14	Decimal Point Dollar Sign 15	Addends Sum 16	Properties of Addition (Commutative, Associative, Identity) 17	Vocabulary
Regroup 19	Minute Hour 20	A.M. P.M. 21	Number Line 22	Fact Family Number Sentence 23	Compatible numbers 24	
Half Hour Quarter hour 26	Elapsed Time 27	Line Plot Pictograph 28	Line Graph Bar Graph 29	Coordinate Grid Ordered Pair 30	Tally Chart Tally Mark 31	

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<div style="background-color: black; color: white; padding: 5px; font-size: 24px; font-weight: bold;">July</div> <div style="font-size: 24px; font-weight: bold;">2 → 3</div>				Find: a) 1/5 of 10 b) 1/3 of 18 c) 3/8 of 32	Write each number in standard form: a) 14,000 +600 +10+4 b) 900,000+ 1,000 +700+6.	What is the greatest possible 5- digit number you can make from the digits 5, 3, 7, 9, 6? The smallest possible?	Incoming 3rd Grade
Monday	Tuesday	Wednesday	Thursday 1	Friday 2	Saturday 3		
Write the value of the underlined digit: a) <u>7</u> ,059 b) 18 <u>6</u> ,840 c) <u>8</u> 46,924 d) 6 <u>8</u> 4,061	Round to the nearest ten: a) 94,654 b) 397 c) 7,546 d) 5,651 e) 2,209	Round to the nearest hundred: a) 733 b) 184 c) 5,642 d) 8,557 e) 58,961 f) 64,238	Kevin bought a toy for \$4.29. He paid with a \$10.00 bill. How much change did he receive in dollars and cents?	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	Mark the odd numbers: 45 69 96 148 623 82 15 90 131.		Summer Home Work
Estimate each sum or difference: a) 398+125 b) 518+249 c) 288+87 d) 617-263 e) 924-70	Write the numbers in order from least to greatest: 978, 1,005, 994, 482, 1,125, 459	Find the missing numbers: a) 7 +8 + X =40 b) (12+7)+X=34	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?	20+16=36, so 36-x=20, find X.	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.		Problem of the day
Write vertically and solve: a) 6,149+95 b) 65,267+85	Round then add: a) 3,785+2,423= b) 458+149= c) 976+589+34=	Mr. P drove 198 mi. before lunch and 154 mi. after. How much did he drive in all?	Round then subtract: 8,146 - 564	Solve: a)105-49 b)500-265 c) \$3.95+\$7.46= d) \$ 20.00-\$11.80=	Compare. Use <, >, =. a) 12+5_20 b) 56-4_62 c) 37-21_6+19		
Write the time in 2 ways: 12:30 ; 4:15 ; 9:45; 11:20 ; 5:25; 7:35	Find the elapsed time: a) Start: 9:00 A.M. End: 2:00 PM b) Start: 6:30 P.M. End 7: 15 P.M	Tara's baby sister naps between 12:45 PM and 2:30 PM every day. How long does Tara's sister nap for?	a) How many days are there in 3 weeks? 5 weeks? b) Write the months of the year with their ordinal numbers.	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)	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?		

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<p>August 2 → 3</p> <p>Monday 2</p>	<p>Multiplication Array Product</p> <p>Tuesday 3</p>	<p>Factor Multiple</p> <p>Wednesday 4</p>	<p>Commutative Property of Multiplication</p> <p>Thursday 5</p>	<p>Properties of Multiplication (Associative, Distributive)</p> <p>6</p>	<p>Properties of Multiplication (Zero, Identity)</p> <p>Saturday 7</p>	<p>Incoming 3rd Grade</p>
<p>Division Equal Groups</p> <p>9</p>	<p>Dividend Divisor</p> <p>10</p>	<p>Quotient Remainder</p> <p>11</p>	<p>Divisible Multi-Step Problem</p> <p>12</p>	<p>Line Line Segment</p> <p>13</p>	<p>Intersecting Lines Parallel Lines</p> <p>14</p>	<p>Summer Home Work</p>
<p>Ray Angle Vertex</p> <p>16</p>	<p>Perpendicular Lines</p> <p>17</p>	<p>Types of Angles (Acute, Obtuse, Right)</p> <p>18</p>	<p>Polygon Triangle</p> <p>19</p>	<p>Quadrilateral Trapezoid Parallelogram</p> <p>20</p>	<p>Rectangle Rhombus Square</p> <p>21</p>	<p>Vocabulary</p>
<p>Perimeter</p> <p>23</p>	<p>Area</p> <p>24</p>	<p>Types of Triangles: Equilateral, Isosceles, Scalene</p> <p>25</p>	<p>Types of Triangles: Right, Acute, Obtuse</p> <p>26</p>	<p>Inch Foot Yard Mile</p> <p>27</p>	<p>Fraction Unit Fraction</p> <p>28</p>	
<p>Numerator Denominator</p> <p>30</p>	<p>Equivalent Fraction Mixed Number</p> <p>31</p>					

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August						
2 → 3						
Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6	Saturday 7	
<p>Draw an array to show each multiplication fact. Find the product.</p> <p>a) 5×6 b) 3×4</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>Josh had 5 carrots. He cut each into 3 pieces. How many carrot pieces does Josh have?</p>	<p>Write the multiples of 2, 5, 7, 8 and 9. Find the pattern.</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>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>What number is 2 more than 7 times 6?</p> <p>$56 \div 7 =$ $63 \div 9 =$</p>	<p>Joan can bake 1 dozen cookies in 15 minutes. How long will it take her to bake 3 dozen cookies?</p>	<p>Write a multiplication sentence to solve how many legs these animals have in total. 7 horses? 5 cats? 6 ducks?</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>Find the quotient.</p> <p>$9 \div 9 =$ $0 \div 5 =$ $7 \div 1 =$</p>	Incoming 3rd Grade
<p>Label the divisor, dividend and quotient in the division sentence? $72 \div 8 = 9$</p>	<p>Amy made 45 cookies. She put them into 5 equal groups. How many cookies were in each group?</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>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>Name polygon with</p> <p>a) five sides b) eight sides c) six sides d) four sides</p>	<p>How are a rectangle and a parallelogram alike? How are they different?</p>	Summer Home Work
<p>The perimeter of a square is 12 inches. What is the length of each side?</p>	<p>Find the perimeter and area of a rectangle that has a length of 6 and a width of 2.</p>	<p>Draw a square. Then draw a line that divides the square into 2 congruent shapes. Name these shapes.</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>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>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>	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>Order the following fractions from least to greatest: $\frac{2}{4}$; $\frac{1}{3}$; $\frac{1}{6}$</p>					