Big Apple Academy **2025** **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 2, 2025 - the first school day.

Have a Great Summer!!

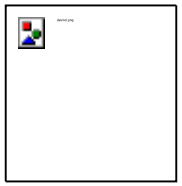
Big Apple Academy **2025** **Mathematics Department**

July **2->3** **Monday**	**Tuesday**	**Wednesday**	**Thursday**	Digit Standard Form **Friday**	Expanded Form Word Form **Saturday**	**Incoming 3rd Grade**
Place Value Period	Round	Even Number Odd Number	Decimal Point Dollar Sign	Addends Sum	Properties of Addition (Commutative, Associative, Identity)	**Summer Home Work**
Estimate Difference	Order	Equation	Number Line	Fact Family Number Sentence	Compatible numbers	**Vocabulary**
Regroup	Minute Hour	A.M. P.M.	Pint Quart Gallon	Gram Kilogram Ounce Pound, Ton	Compare	
Half Hour Quarter hour	Elapsed Time	Line Plot Pictograph	Line Graph Bar Graph	Coordinate Grid Ordered Pair	Tally Chart Tally Mark	

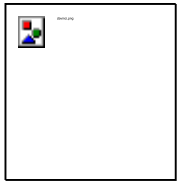
Big Apple Academy 2025 Mathematics Department

July **2 -> 3** **Monday**	**Tuesday**	**Wednesday**	**Thursday**	Write each number in standard form: **a)** 14,000 +600 +10+4 **b)** 900,000+ 1,000 +700+6**.** **Friday**	What is the greatest possible 5- digit number you can make from the digits 5, 3, 7, 9, 6? The smallest possible? **Saturday**	**Incoming 3rd Grade**
Write the value of the underlined digit: **a)** 7,059 **b)** 186,840 **c)** 846,924 **d)** 684,061	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 min to hike up and 106 minutes to come down. About how long did they hike?	A horse farm has 2 barns. Each barn has 4 horses. Each horse has 2 saddles. How many saddles are there in all?	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.	Lynn buys 5 soft pretzels and 4 lemonades. She spends $18. If the items are all the same price, how much does each item cost?	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?	

Big Apple Academy **2025** **Mathematics Department**

August **Monday**	Multiplication Array Product **Tuesday**	Factor Multiple **Wednesday**	Commutative Property of Multiplication **Thursday**	Properties of Multiplication (Associative, Distributive) **Friday**	Properties of Multiplication (Zero, Identity) **Saturday**	**Incoming 3rd Grade**
Division Equal Groups	Dividend Divisor	Quotient	Divisible Multi-Step Problem	Capacity, Cm, in, column	Intersecting Lines Parallel Lines	**Summer Home Work**
Digits, degrees, Data	Edge, Dollar sigh, Face	Half, half hour, hexagon, Hour	Polygon Triangle	Quadrilateral Trapezoid Parallelogram	Rectangle Rhombus Square	**Vocabulary**
Perimeter	Area	Number line Number chart Equality	Mass, Meter, number line, numerator	Inch Foot Yard Mile	Fraction Unit Fraction	
Numerator Denominator	Equivalent Fraction Mixed Number	Simplest Form Of a Fraction				

Big Apple Academy 2025 Mathematics Department

August **Monday**	Draw an array to show each multiplication fact. Find the product. a) 5 x 6 b) 3 x 4 **Tuesday**	Cope and complete. Use <,>, or =. a) 0 x 7 __ 7 x 1 b) 2 X 3 __ 3 X 2 c) 5 x 1 __ 5 X 10 **Wednesday**	Josh had 5 carrots. He cut each into 3 pieces. How many carrot pieces does Josh have? **Thursday**	How are a rectangle and a parallelogram alike? How are they different? **Friday**	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? **Saturday**	**Incoming 3rd Grade**
Find the product. a) 22 x 4 x 6 = b) 29 x 7 x 0 = c) 7 x 4 x 2 = d) (10 x 8) x 6 = e) (5 x 5) x 4=	What number is 2 more than 7 times 6? 56÷7= 63÷9=	Joan can bake 1 dozen cookies in 15 minutes. How long will it take her to bake 3 dozen cookies?	Write a multiplication sentence to solve how many legs these animals have in total. 7 horses? 5 cats? 6 ducks?	Write a numerical expression for each phrase: a) the product of four and eight b) 17 more than 20	Find the quotient. 9÷9= 0÷5= 7÷1= What is the sum of 143, 532, and 218?	**Summer Home Work**
Label the divisor, dividend and quotient in the division sentence? 72 ÷ 8 = 9	Amy made 45 cookies. She put them into 5 equal groups. How many cookies were in each group?	Package A has 8 rolls of paper towels for $16. Package B has 3 rolls of the same paper towels for $9. Which package is the better buy?	A team leader divided a group of 24 kids into teams. Can he divide the children equally into teams of 5? Teams of 8?	Name polygon with a) five sides b) eight sides c)six sides d)four sides	Write the multiples of 2, 5, 7, 8 and 9. Find the pattern. Tom's room is 9 feet wide and has an area of 72 sq ft. What is the length of Tom's room?	**Problem of the day**
The perimeter of a square is 12 inches. What is the length of each side?	Find the perimeter and area of a rectangle that has a length of 6 and a width of 2.	Draw a square. Then draw a line that divides the square into 2 congruent shapes. Name these shapes.	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?	Bert bought 4 books for $7 each and a comic for $5. He paid with a $50 bill. How much change did Bert receive?	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?	
Sam read 5/6 of his assignment. Judy has read 10/12 of her assignment. Who has read more?	Order the following fractions from least to greatest: 2/4 ; 1/3; 1/6	Find: a) 1/5 of 10 b) 1/3 of 18 c) 3/8 of 32				