



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.


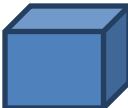

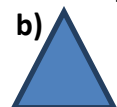
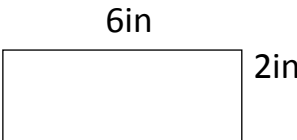
Do not forget to bring your notebook to school on September 1, 2015 - the first school day.

Have a Great Summer!!

<p>Week 1 vocabulary</p>	<p>2 → 3 grade Ordinal numbers, digit, place value, expanded form, period, standard form, word form, compare, even number, odd number, rounding, addends ,sum, Commutative Property of Addition, Associative Property of Addition, Identity Property of Addition, decimal point, dollar sign.</p>
<p>Week 1 practice problems</p>	<p>1) Write each number in standard form: a) 4,000+600+10+4 b) 900,000+1,000+700+6. 2) What is the greatest possible 5- digit number you can make from the digits 5, 3, 7, 9, 6? 3) 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. 4) Round to the nearest ten: a) 94,654, b) 394, c) 7,546, d) 45,651, e) 845,671. 5) Round to the nearest hundred :a) 733, b) 184, c) 5,642, d)98,557, e) 58,961, f) 364,248 6) Kevin bought a toy for \$4.29. He paid with a \$10.00 bill. How much change did he receive in dollars and cents? 7) Anna, Mike, Ben counted cars. Anna saw 4 more cars than Ben. Mike saw 3 fewer cars than Anna. If Mike saw 7 cars, how many cars did Anna and Ben each see? 8) Mental Math: a)56+9=, b)32+54= , c)75+28=, d)71-45= , e)88-29=, f)100-26=, g)63+49=, h)54-39 . 9) Mark the odd numbers: 45 69 96 148 623 82 15 90 131.</p>
<p>Week 2 vocabulary</p>	<p>Fact family, difference, estimate, front- end estimation, rounding, compatible number, overestimate, underestimate, order, number line, equation.</p>
<p>Week 2 practice problems</p>	<p>1) Estimate each sum or difference: a) 398+125, b) 518+249, c) 288+87, d)617-263, e) 924-705, f) 765-581, g) 355+490. 2) Write numbers in order from least to greatest: a) 978, b) 1,005, c) 994, d) 482, e) 1,125, f) 459. 3) Find the missing numbers: a)7 +8 + X =40 , b) (12+7)+X=34. 4) Two friends hiked alongside a waterfall. It took them 158 minutes to hike up, and 106 minutes to hike down. About how long did they hike? 5) 20+16=36, so 36-x=20, find X. 6) April needs to estimate the sum of 427 and 358. Should she round to the nearest ten or to the nearest hundred to get the closer answer? Explain. 7) Compare and write <, > or = a) 6,034_ 3,064, b) 5,156_ 5,516, c) 9,079_ 9,097.</p>

<p>Week 3 vocabulary</p>	<p>2 → 3 grade Regroup, expression, inequality, change, equation.</p>
<p>Week 3 practice problems</p>	<p>1) Write $149+95$ and $267+85$ in vertical form. 2) Round the numbers, then add: a) $3,785+2,423=$, b) $458+149=$, $76+589+34=$. 3) Mr. Peter drove 198 mi before lunch and 154 mi after lunch. How did he drive in all? 4) Round the numbers, then subtract: $8,146-564=$. 5) $105-49=$, $500-264=$, $601-157=$, Find a) $\\$3.95+\\$7.46=$, b) $\\$20.00-\\$11.80=$. 6) Sam paid for a notebook that costs $\\$0.75$ with $\\$1.00$ bill. What was his change? 7) Compare .Write $<$, $>$, or $=$ for each -- a) $12+5_20$, b) $56-4_62$.c) $37-21_6+19$, 8) Fred read 100 pages of his book. Lydia read 78 pages of her book. How many more pages did Fred read than Lydia? 9) Tyrone bought two cans of paint. The green paint cost $\\$2.57$. The white paint cost $\\$4.86$. How much did he spend on the paint?</p>
<p>Week 4 vocabulary</p>	<p>Hour, minute second, half hour, quarter hour, A.M., P.M., elapsed time, week, months, years, leap years, decades, centuries, data , tally chart, tally mark, line plot, range mode, scale, coordinate grid, bar graph, line graph.</p>
<p>Week 4 practice problems</p>	<p>1) Write time in two ways: $12:30$, $4:15$, $9:45$, $11:20$, $5:25$, $7:35$. 2) 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 c) Start: $9:30$A.M End: $11:55$A.M. 3) Tara’s baby sister naps between $12:45$P.M and $2:30$ P.M. every day. How long is the baby’s nap? 4) How many days are there in 3 weeks? 5 weeks? 5) Write the months of the year in order and write the ordinal numbers for each month next to its name. 6) Draw a coordinate grid on a piece of grid paper. Mark each ordered pair on the grid. A $(3,5)$, B $(0,4)$, C $(5,0)$, D $(6,6)$, E$(2,7)$. 7) If each symbol a pictograph stands for 2 days, how many symbols would you draw to show 6 days? 7 days? 8 days? 8) Use the data to complete line plot. 8a) What is the range of the data? What is the mode for the data?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>1 ,2 ,2,4, 4, 3,7 ,7, 5,5,5, 6,6,8,9,9, distance from school in miles.</p> </div>

<p>Week 5 vocabulary</p>	<p>Multiply, factor, product, array , Commutative Property of Multiplication, multiple, Identity Property of Multiplication, Zero Property of Multiplication, square numbers , twice, Associative Property of Multiplication.</p>
<p>Week 5 practice</p>	<ol style="list-style-type: none"> 1) Draw an array to show each multiplication fact. Write the product a) 5×6, b) 3×4. 2) Copy and complete. Write $>$, $<$, or $=$ for each a) 0×7 7×1, b) 2×3 3×2, c) 5×1 5×10. 3) Josh had 5 carrots. He cut each into 3 pieces. How many carrot pieces does he have? 4) Write the multiples of 2, 5, 7, 9 . Find the pattern. 5) Ed is 3 years old. Ryan is twice as old as Ed. How old is Ryan? 6) Find the product: a) $2 \times 4 \times 6 =$, b) $9 \times 7 \times 0 =$, c) $7 \times 4 \times 2 =$, d) $(1 \times 8) \times 6 =$, e) $(5 \times 5) \times 4 =$. 7) What number is two more than 7 times 6? 8) Joan can bake 1 dozen cookies in 15 minutes. How long will it take her to bake 3 dozen cookies? 9) Write a multiplication sentence (not just the answer) to solve how many legs these animals have in total. 7 horses, 5 ducks, 8 horses and 6 ducks?
<p>Week 6 vocabulary</p>	<p>Division, fact family, factor, product, dividend, divisor, remainder, divisible, multiple, numerical expression, quotient.</p>
<p>Week 6 practice</p>	<ol style="list-style-type: none"> 1) Write a numerical expression for each word phrase : a) the product of 4 and 8, b) 17 more then 20, c) twice as old as 9 years old, d) 14 baseball cards placed into 2 equal groups. 2) Write a division story for $20 \div 5$. 3) What are the divisor, dividend, and quotient in this division sentence? $72 \div 8 = 9$. 4) Amy made 45 cookies. She separated them into five equal groups. How many cookies were in each group? 5) Divide: a) $17 \div 2 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$, b) $24 \div 5 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$, c) $47 \div 7 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$, d) $20 \div 7 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$, e) $56 \div 3 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$. 6) A team leader divided a group of 24 kids into teams. Can he divide the children equally into teams of 5? Teams of 6? Teams of 8? 7) Annie, Rob, and Ted decided to buy a gift that cost \$16 and flowers that cost \$14 for mom. The children shared the total cost equally. How much did each child pay?

<p>Week 7 vocabulary</p>	<p>Edge, face, vertex, intersecting lines, line, line segment, parallel lines, ray, acute angle , obtuse angle, right angle, polygon, triangle, quadrilateral, acute triangle, equilateral triangle, isosceles triangle, scalene triangle, obtuse triangle, parallelogram, rhombus, square, congruent, flip, slide, turn, symmetric, line of symmetry, perimeter, area, volume.</p>
<p>Week 7 practice</p>	<p>1) How many faces, edges, vertices each figure has: a)  b) </p> <p>2) How are a rectangle and a parallelogram alike?</p> <p>3) The perimeter of a square is 12 in. What is the length of each side of the square?</p> <p>4) Describe each triangle by its angles and sides. a)  b) </p> <p>5) Find the perimeter and area of this polygon.</p> <div style="text-align: center;">  </div> <p>6) Draw a square. Then draw a line that divides the square into two congruent figures. Describe the figure.</p>
<p>Week 8 vocabulary</p>	<p>Tenths, decimal, fraction, mixed number, hundredth, diagonal, centimeter, decimeter, meter, kilometer.</p>
<p>Week 8 practice</p>	<p>1) Write each as a decimal: $9/100$, $1/10$, $14/100$, $8/10$.</p> <p>2) How many tenths are in 1 whole?</p> <p>3) Kerrie cut an apple into 10 equal pieces She ate five pieces. Write a decimal to show how much of the apple she ate.</p> <p>4) Order the decimals 2.28, 2.40, 2.06, 2.14 from least to greatest.</p> <p>5) Add or subtract: a) $0.8+0.6=$ b) $54.09+1.7=$, c) $6.3-4.8=$ d) $0.64-0.36=$</p> <p>6) Write one and seventeen hundredths as a decimal and a mixed number.</p> <p>7) Albert is making a school flag. He bought 6.50 feet of blue fabric and 3.75 feet of red fabric. How much more blue fabric did Albert buy than red fabric?</p> <p>8) Tell if you would use cm, m, or km for each: a) The distance across Florida. b) The length of a kitten.</p> <p>c) The length of a boat.</p>

<p>Week 9 vocabulary</p>	<p>2 → 3 grade Fraction, numerator, denominator, equivalent fractions, unit fractions, mixed number, inch, foot, yard, mile.</p>
<p>Week 9 practice</p>	<p>1) Samuel has read $\frac{5}{6}$ of his assignment. Judy has read $\frac{10}{12}$ of her assignment. Who read more? 2) Order $\frac{2}{4}$, $\frac{1}{3}$, and $\frac{1}{6}$ from least to greatest. 3) Find: a) $\frac{1}{5}$ of 10, b) $\frac{1}{3}$ of 18, c) $\frac{1}{8}$ of 32. 4) Summer lasts for $\frac{1}{4}$ of a year. How many months does summer lasts? 5) Name the equal parts of the whole:</p> <div data-bbox="898 544 1050 682" data-label="Image"> </div> <p>6) Mark the numbers that equal 1: $\frac{2}{2}$, $\frac{5}{6}$, $\frac{8}{8}$, $\frac{4}{3}$, $\frac{2}{9}$, $\frac{7}{7}$. 7) Find: a) $\frac{5}{6} - \frac{3}{6} =$ b) $\frac{3}{8} + \frac{2}{8} =$ c) $\frac{6}{7} - \frac{4}{7} =$ d) $\frac{4}{10} + \frac{2}{10} =$ 8) Draw a picture to show each fraction: a) $\frac{4}{5}$, b) $\frac{3}{7}$, c) $\frac{5}{10}$.</p>