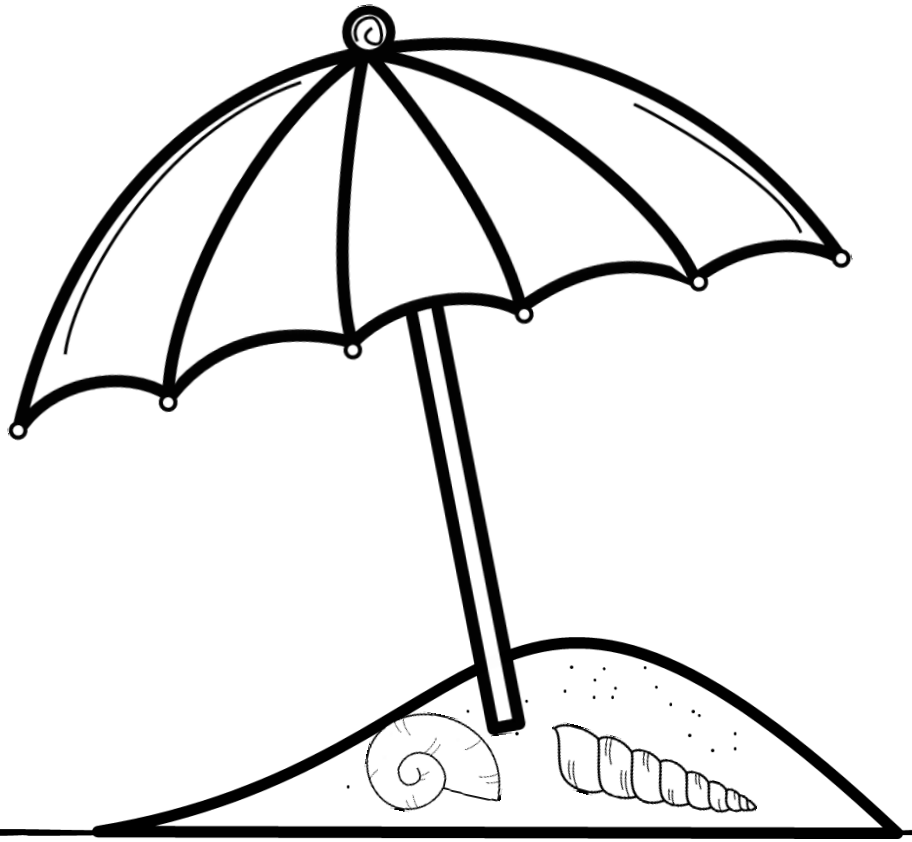
Incoming 5th Grade Summer Math Calendar



Summer Math Calendar

Dear Soon to Be 5th Graders and Parents of Soon to Be 5th Graders,

This summer math calendar has not been created to torture you. It was actually created with the opposite intent. This was created to make you math aficionados, especially as you prepare to begin math in the fifth grade! To help you do this, I have put together this calendar with math concepts that you have already learned so that your skills are sharp and ready to begin 5th grade math.

Each week you will be assigned five sets of problems to complete. You may choose when to do it. You may work on the calendar in whichever way best suits your style. You may do the problems for the week in one day or you may spend five minutes a day completing each problem. All I ask is that you do not leave the calendar until the week or even the day before school begins. Trust me, you will not complete it! This calendar is meant for you to maintain your skills. You may use siblings, parents, and most importantly your brain to complete the calendar. You must show all of your work and the work should be done in pencil.

Lastly, please complete the evaluation forms. There is one for you and one for your parents. Good luck! Have a fabulous summer! I cannot wait to see you in the fall!

Sincerely,

Summer Math Calendar Evaluation for Students

Please rate the following on a scale from 1-10, with 1 being the easiest and 10 being the hardest.

1.) _____ How would you rate the difficulty of the problems in general throughout the summer math calendar?

2.) _____ How would you rate the variety and amount of problems throughout the calendar?

3.) What types of problems in the calendar were the most difficult and why?

4.) What types of problems in the calendar were the easiest and why?

5.) When did you complete the calendar? How did you pace yourself when completing the calendar? (Did you do it every day, once a week, completed it in a few days?)

6.) If you could change anything about the summer math calendar what would you change and why?

Thank you for taking the time to complete this evaluation! I really appreciate your input!

Summer Math Calendar Evaluation for Parents

1.) How difficult did you feel this summer math calendar was for your student? Was it too easy or too difficult or somewhere in the middle?

2.) How much help did you give your son or daughter in completing this calendar?

3.) What would you say was the best thing about the summer math calendar?

4.) What would you say was the most difficult thing about the summer math calendar?

5.) If you could change one thing about the summer math calendar in general, what would you change?

Thank you for taking the time to complete this evaluation! I really appreciate what you have to say!

Week One

Problem	Work & Answer
Solve: a.) $\frac{1}{4}+\frac{3}{4}$ b.) $\frac{6}{7}+\frac{3}{7}$ c.) $\frac{2}{5}+\frac{1}{5}$	
List the factors of each number. a.) 72 b.) 54 c.) Write the factors that 72 and 54 have in common.	
Find the sum: a.) 3,298 + 783 b.) 13,942 + 9,876	
List the **first five multiples** of each number below: a.) 3 b.) 7	
Round each to the nearest hundred thousand place a.) 243,870 b.) 953,866	

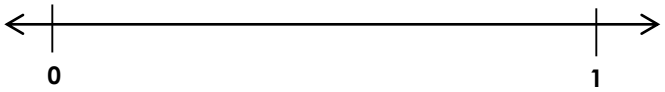
Week Two

Problem	Work & Answer
Is 63 prime or composite? Explain why.	
Decompose $3\frac{4}{9}$ by rewriting the fraction two different ways.	
Write each number in expanded form: a.) 785 b.) 3,235	
The area of a rectangle is 42 inches squared. If the width is 6 inches, what is the length?	
Find the difference (simplify your answer): a.) $\frac{5}{8} - \frac{3}{8}$ b.) $\frac{9}{12} - \frac{4}{12}$	

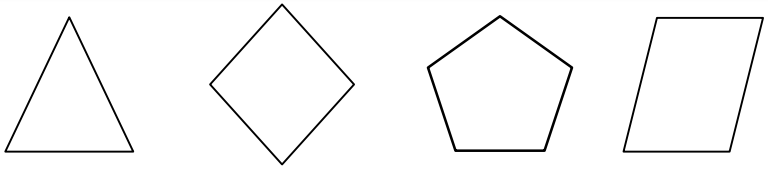
Week Three

Problem	Work & Answer
Multiply the following using any method: a.) 137 x 8 b.) 26 x 19	
Find the quotients: a.) 85 ÷ 3 b.) 346 ÷ 5	
Write each number below in word form: a.)5,470 b.) 197,306	
Casey bought 103 pieces of candy for her students who worked well in a group. The next week she bought three times as much. About how many pieces of candy did she buy in all?	
Write a fraction to describe the number of days in a week that start with the letter T.	

Week Four

Problem	Work & Answer
Find the number of inches for the following: a.) 4 yards b.) 15 feet	
On a number line label the following fractions: $\frac{4}{5}, \frac{2}{5}, \frac{5}{5}, \frac{3}{5}$	
Find each sum. Change the tenths to hundredths before you add. a.) $\frac{4}{10} + \frac{15}{100}$ b.) $\frac{8}{10} + \frac{10}{100}$	
Use the distributive property to multiply a.) 24 x 9 b.) 35 x 14	
Compare the fractions, use <, > or =	a.) $\frac{3}{7}$ ◯ $\frac{5}{7}$ b.) $\frac{1}{9}$ ◯ $\frac{1}{3}$

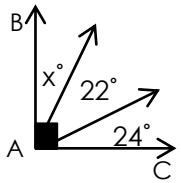
Week Five

Problem	Work & Answer
Circle the shapes that have parallel sides.	
Sally had 5 more seashells than Danny. Sally had 37 shells. Write an equation to find out how many shells Danny had and then solve the equation.	
Estimate the difference or sum of each and then find the actual answer. a.) 823 – 89 b.) 479 + 120	**Problem** / **Estimate** / **Actual Answer** 823 – 89 479 + 120
Write the following as a decimal: a.) $\frac{7}{10}$ b.) $\frac{3}{10}$	
There are 9 cars in the parking lot. There are 2 that are green, 4 that are red and 3 that are blue. Write a fraction in simplest form that shows the number of blue cars.	

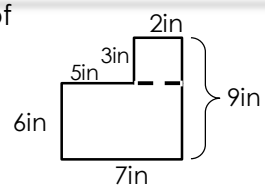
Week Six

Problem	Work & Answer
Create a line plot that shows the amount of rain that fell in Seattle over a week: $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, \frac{1}{4}, \frac{1}{2}, 1, \frac{1}{2}$	
Find the **product** of each of the following: a.) 122 x 42 b.) 39 x 25	
Draw and label each of the following angles: right, acute and obtuse	
There were 56 students that were participating in a field day. If there were 8 teams, how many students were on each team?	
Compare 718,900 and 728,900, In which place does the value change?	

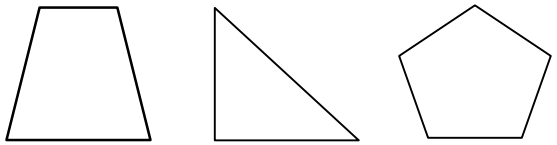
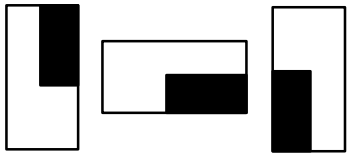
Week Seven

Problem	Work & Answer
Use mental math to find the following products: a.) 30 x 70 b.) 40 x 80 c.) 600 x 90	
Write three fractions that are equivalent to: $\frac{1}{3}$	
Find the missing number: a.) _____ + 1,539 = 8,451 b.) 2,345 - _____ = 987	
Complete the pattern and then describe what the pattern is.	54, 49, 44, 39, 34, ____, ____
$\overrightarrow{AB}$ and $\overrightarrow{AC}$ are perpendicular. What is the value of x?  	

Week Eight

Problem	Work & Answer
Fill in the sign (<, >, or =) that makes each to the right statement true.	a.) 0.4 ◯ 0.40 b.) 0.50 ◯ 0.8
Find the area of the figure. 	
a.) 372,458 + 479,632 b.) 70,000 – 38,694	
Draw an example of a right triangle.	
Write each fraction as a decimal. a.) $\frac{64}{100}$ b.) $\frac{3}{10}$	

Week Nine

Problem	Work & Answer
Write the base ten number for the following: a.) seven thousand, twenty-four b.) sixty-three, six hundred eight	
Draw a line of symmetry through each figure.	
At birth Claire weighed 6 pounds, 4 ounces. Her twin sister Erica weighed 5 pounds 15 ounces. How much more did Claire weigh at birth than her sister Erica (in ounces)?	
Write each decimal as a fraction. a.) 0.9 b.) 0.47	
Describe the pattern and draw the next figure. 	

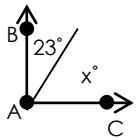
Week Ten

Problem	Work & Answer
Draw three difference examples of shapes that have perpendicular lines.	
Use equivalent fractions to find the sum. $\frac{3}{100} + \frac{7}{10}$	
Find the quotient. 7,386 ÷ 6	
William walked one-fourth of a mile to school every day. If he walked to school every day during a 5 day school week, how far did he walk in total?	
Find each product: a.) 4,368 x 7 b.) 12,949 x 3	

Name: _____

5th Grade Summer Math Quiz

Complete the following problems. Show your work, using an extra sheet of paper.

1.) Find the sum. 14,876 + 3,509	2.) Add the fractions. $\frac{1}{6} + \frac{4}{6} =$	3.) Round 784,936 to the ten thousands place.
4.) Is 23 prime or composite? Explain.	5.) Write 26,748 in expanded form.	6.) Find the area of a garden that has a length of 4yd and a width of 2yd.
7.) Multiply 32 x 18.	8.) Write the number below in standard form: Sixteen thousand, eight hundred forty.	9.) Divide 987 ÷ 6.
10.) How many inches are in 3 yards?	11.) $\overrightarrow{AB}$ and $\overrightarrow{AC}$ are perpendicular. Find the value of x.  	12.)Compare by using <, >, or =. $\frac{3}{6}$ ◯ $\frac{1}{2}$
13.) Draw an obtuse angle.	14.) Write two fractions equivalent to $\frac{1}{2}$.	15.) Jack ate 3 more berries than Jill. Jack ate 21 berries in total. Write and equation and then find out how many berries Jill ate.