

Name: _____

For school year 2017-2018

Park School Summer Work for Incoming 8th Graders!

- This packet is designed to help you retain the information you learned in 7th grade. Math is a skill that builds on the previous concepts learned and if not practiced these skills are easily forgotten.
- The growth you make over the summer is up to you and whether you take the time to practice.
- This packet will not be taken for a grade. Again it is meant for you to maintain the skills you learned this past school year.
- To help you along the way we will post answers at various times on the Park School Webpage.
 - On July 1st we will post the June Calendar Answers.
 - On August 1st we will post the July Calendar Answers.
 - On August 18th we will post the August Calendar Answers.
- Use these websites to help you strengthen your skills in these areas!
(www.math.com, www.algebralab.org, www.khanacademy.org)
- You can also work on mathia to help strengthen your skills.

Have a Wonderful Summer!

MATH

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I'm a STAR Mathematician!



June 2017

Show your work and answers in the boxes on the next page.

<p>#1. Evaluate $6+3b$ if $b=8$</p>	<p>#2. How old will you be on December 7, 2052?</p>	<p>#3. You have a \$22 gift card to spend on iTunes. You buy an app for \$4.99 and a new pop single for \$3.99. How much should be left on your gift card?</p>	<p>#4. Evaluate $5(6)-c$ if $c = 7$</p>	<p>#5. Evaluate $(2+10)^2 \div 4$</p>
<p>#6. What is the perimeter of a hexagon with a side length of 5 cm?</p>	<p>#7. Without parentheses, the expression $8 + 30 \div 2 + 4 = 27$. Place parentheses in the expression so that it equals 13.</p>	<p>#8. Write an equation for: 4 less than 3 times a number is 14.</p>	<p>#9. Write an equations for the following scenario: There are 5 people in a rock band. They made "x" dollars playing last night. After dividing money 5 ways, each person got \$67.</p>	<p>#10. Write the inequality: Five times a number is greater than 25.</p>
<p>#11. Find a "take-out" menu. If you had \$37.50 to spend, what would you order? What is your change?</p>	<p>#12. Solve: $X - 9 = -12$</p>	<p>#13. Find a math problem around your house. Describe how to solve it.</p>	<p>#14. Find the area of a square with a perimeter measuring 16 inches.</p>	<p>#15. Solve: $48 = -6r$</p>
<p>#16. Solve: $2c + 7 = -1$</p>	<p>#17. Divide, show your work: $1256 \div 12$</p>	<p>#18. Solve: $Y + 5 < 14$</p>	<p>#19. List all the factors of: 24 and 60</p>	<p>#20. Write the decimals as fractions. Express them in their simplest form. 0.42 = 1.75 = 3.05 =</p>

June 2017

Show your work and Circle your answers in the space below.

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July 2017

Show your work and answers in the boxes on the next page.

<p>#1. Round to the place value in bold. 49,928 = 57.92 = 5,801,799 = 0.947 =</p>	<p>#2. List the first 5 multiples for</p> <p>12 and 15</p>	<p>#3. If you spend \$10 a day, how long will it take you to save \$1,000.</p>	<p>#4. What is $\frac{1}{4}$ of 56?</p>	<p>#5. Change 1.5 km into cm.</p>
<p>#6. If you gave 15% tip on a \$25 bill, how much tip would that be?</p>	<p>#7. What is 5^3?</p>	<p>#8. How many inches is your kitchen cabinet?</p>	<p>#9. Use a grocery receipt to calculate 10% of the bill.</p>	<p>#10. Find the mean of the following data: 3, 16, 5, 13, 27, 2</p>
<p>#11. Continue the pattern at least five more times.</p> <p>4, 8, 12, 16, ...</p>	<p>#12. How many days left until school starts? Show your math work.</p>	<p>#13. What is the area of a rectangle with a width of 7cm and the length of 15cm?</p>	<p>#14. Solve: $124 \times 35 =$ Show your work.</p>	<p>#15. Vowels are worth \$30 and consonants are worth \$25. Can you make a word worth \$200? \$500?</p>
<p>#16. Write a story problem using the operation of division.</p>	<p>#17. If the area of a square is 49 cm, what is the length of each side?</p>	<p>#18. Write 967,123 in expanded form.</p>	<p>#19. Order these fractions from least to greatest.</p> <p>$\frac{2}{3}$, $\frac{1}{8}$, $\frac{1}{2}$</p>	<p>#20. Simplify: $(7 \times 48) + 126 \div 3$</p>

July 2017

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August 2017

Show your work and answers in the boxes on the next page.

<p>#1. Find the area of a triangle with the height of 15 cm and base of 10 cm.</p>	<p>#2. Place the following numbers on a number line in order. 6, -2, 0, -5, 1</p>	<p>#3. Place the following numbers on a number line in order. 1.5, -0.5, -3.5, 3.5</p>	<p>#4. Classify the following angle measurements as acute or obtuse. 35, 120, 75, 93</p>	<p>#5. What are vertical angles?</p>
<p>#6. Order the following from least to greatest: 0.02, 1.13, 0.70, 0.705</p>	<p>#7. What are supplementary angles?</p>	<p>#8. Draw a quadrilateral that has only one set of parallel sides.</p>	<p>#9. Sara packed 4 shirts, 3 pairs of pants, and 4 pairs of shoes. How many outfits can Sara make?</p>	<p>#10. Describe one way you used math over the summer.</p>

August 2017

Show your work and Circle your answers in the space below.

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