



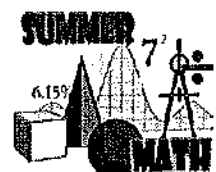
Summer Packet

Mathematics

Entering 7th Grade

Return this completed packet to your new teacher
on the first day of school in September.

Student Name: _____ Grade: _____



THE NEWARK PUBLIC SCHOOLS

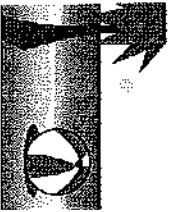


McKinley Elementary School

1 Colonnade Place, Newark, New Jersey 07104

Phone: 973-268-5270 ~ Fax: 973-350-5719

Jessica Silva-Olmo, Principal

Entering Grade 7

<p>Monday July 3rd</p> <p>Name three fractions that are equivalent to $\frac{3}{4}$. Draw models to show the equivalentency.</p>	<p>Tuesday July 4th</p> <p>Happy July 4th</p> <p>Vacation Day 1</p>	<p>Wednesday July 5th</p> <p>Name three ratios that are equivalent to 2:3. Draw models to show the equivalency.</p>	<p>Thursday July 6th</p> <p>$5 \div \frac{1}{2}$. Draw a model to show the quotient.</p>	<p>Friday July 7th</p> <p>$3 \div \frac{2}{3}$. Draw a model to show the quotient.</p>
<p>Monday July 10th</p> <p>David ordered 4 pizzas for his birthday party. If he have 10 friends at his party, how much of the pizza did each person get? Show and explain all your work. (Make a model.)</p>	<p>Tuesday July 11th</p> <p>A carpenter has a 6-foot long board. He wants to cut the board into pieces that are $\frac{3}{4}$ foot long. How many pieces of length $\frac{3}{4}$ can the carpenter cut from the board? What part of the original board is left over?</p>	<p>Wednesday July 12th</p> <p>Vacation Day 2</p> 	<p>Thursday July 13th</p> <p>In January, Jane volunteered at a hospital for a total of 12 hours. She spent $\frac{3}{4}$ hour at the hospital every time she volunteers. How many times did Jane volunteer in January? Show and explain all your work.</p>	<p>Friday July 14th</p> <p>The ratio of the number of mystery books to the number of science fiction books is 4:3. The ratio of the number of science fiction books to the number of biographies is 4:5. If there are 48 science fiction books, find the total number of books.</p>
<p>Monday July 17th</p> <p>A sum of money was shared among Aaron, Ben, and Charles in the ratio 2:5:7. If Aaron's share was \$1,180, what was Ben and Charles share? How much was there altogether to begin with? Show and explain all your work.</p>	<p>Tuesday July 18th</p> <p>Vacation Day 3</p>  <p>National Munkdala International Day</p>	<p>Wednesday July 19th</p> <p>Vacation Day 4</p>  <p>National Hot-Air Day</p>	<p>Thursday July 20th</p> <p>The city has 20 fire engines and 36 fire trucks. Find the ratios of the number of fire engines to the number of fire trucks in simplest form.</p>	<p>Friday July 21st</p> <p>$\frac{7}{8}$ of a bags of peanuts was shared amongst 3 children at a baseball game. How much of the bag of peanuts did each child get? Show and explain all your work.</p>

McKinley Mustangs Core Values

Respect ~ Integrity ~ Perseverance ~ Excellence ~ Responsibility

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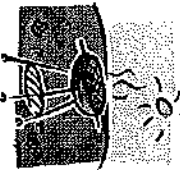
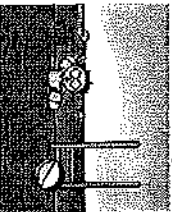
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Monday July 24 th	Tuesday July 25 th	Wednesday July 26 th	Thursday July 27 th	Friday July 28 th
<p>Fill in the missing term in each pair of equivalent ratios.</p> <p>25:15 = <u> </u>:3</p> <p>28:<u> </u> = 4:6</p> <p><u> </u>:9 = 48:72</p> <p>24 : 72 = 6 : <u> </u></p>	<p>Ellen had 25 apples. 7 of them were green and the rest were red. What percent of the apples were green? What percent of the apples were red? Show and explain all your work.</p>	<p>Taska wants to build a fence in two different rectangular pens for her chickens, each with an area of 120 square feet. Draw all possible pens she could have.</p>	<p>Vacation Day 5</p> 	<ul style="list-style-type: none"> • 22% of a number is 44, Find the number. • What is 58% of 90? • What is $\frac{1}{2}$% of 30? • 14 is what percent of 20?
<p>Monday July 31st</p> <p>Vacation Day 6</p> 				

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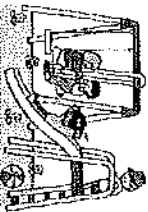



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Welcome to your August Calendar! Remember to check ALL YOUR work!		Tuesday August 1 st	Wednesday August 2 nd	Thursday August 3 rd	Friday August 4 th
		Expand each expression: (Use the distributive property.) $4(d - 8)$ $9(k + 4)$ $6(7p + 2)$ $5g(8 + 7)$	Factor each expression: $8n + 8$ $12 + 4t$ $14r - 21$ $16n + 18$ $4w - 32$	Simplify: $10 + 3h - 6 - 4h + 9 + 12h$ $3(5 + 6p) + 3(2p + 1)$ $8(n + 4) + 5(6 + n)$	A machine can stamp 75 caps per minute. At this rate, how long will it take to stamp 3,000 caps? Show all your work.
Monday August 7 th Vacation Day 7 		Tuesday August 8 th Kenneth had \$1,800. He spent 34% of it on a watch. How much did he spend for the watch? Show all your work.	Wednesday August 9 th A factory produces 550 bottles of water in 25 minutes. How many bottles can it produce in 1 minute? in 3 minutes? Show all your work.	Thursday August 10 th On Saturday, Mike spent \$108. On Sunday, he spent \$54 more than what he spent on Saturday. Find the ratio of Mike's spending on Saturday to his spending on both Saturday and Sunday.	Friday August 11 th Vacation Day 8 
Monday August 14 th Leonard has has 5 times as many stickers as Alison. Melissa has 7 more stickers than Leonard. If Alison has n stickers how many stickers does Melissa have?		Tuesday August 15 th The ratio of the number of left-handers to the number of right-handers in a middle school is 6:15. If there are 120 left-handers, how many right-handers are there?	Wednesday August 16 th Solve for the variable: $p + 6 = 13$ $r + 4 = 12$ $k + 5/6 = 1 \frac{2}{3}$ $5.9 + n = 23.4$	Thursday August 17 th Solve for the variable: $k - 10 = 17$ $n - 14 = 20$ $14 - n = 5$ $n - 42.8 = 501$	Friday August 18 th Solve for the variable: $2m = 6$ $4n = 20$ $8h = 720$ $7d = 164.5$
Monday August 21 st		Tuesday August 22 nd	Wednesday August 23 rd Vacation Day 9 	Thursday August 24 th The are of a rectangular patio is $5 \frac{2}{3}$ square yards, and its length is $1 \frac{1}{2}$ yards. What is its width? Draw a picture to help you solve.	Friday August 25 th Vacation Day 10 
Solve for the variable: $1/5z = 3$ $24 \div n = 3$ $n \div 0.9 = 42$ $n \div 2.4 = 28.8$		Evaluate each expression: $3(x - 4) - x/2$ when $x = 2$ $(5p+9)/2 + (2p + 5)/3$ when $p = 5$			

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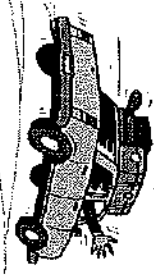
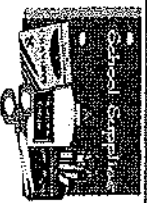
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Monday August 28 th	Tuesday August 29 th	Wednesday August 30 th	Thursday August 31 st
Marshall took \$36.75 to a fair. Each ticket to the fair cost x dollars. Marshall bought 3 tickets. Write an expression that represents the amount of money, in dollars, Marshall had after he bought the tickets.	Create 3 problems like the one you did on August 24 th . Solve your own problems.	LAST Vacation Day 11 	 Get READY for school!

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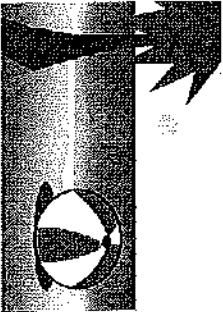
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Directions: Please use the dates provided to answer all rich tasks.

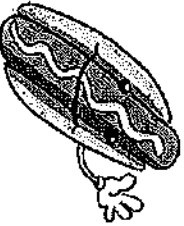
Monday, July 3rd	Tuesday, July 4th	Wednesday, July 5th
	<p>Happy July 4th Vacation Day</p>	
Thursday, July 6th	Friday, July 7th	Monday, July 10th

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Tuesday, July 11th	Wednesday, July 12th	Thursday, July 13th
	 <p>Vacation Day 1</p>	

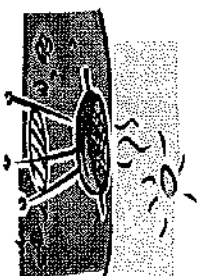
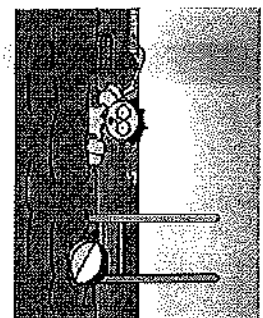
Friday, July 14th	Monday, July 17th	Tuesday, July 18th
		 <p>McKinley Standards Interventional Day Vacation Day</p>

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Wednesday, July 19th	Thursday, July 20th	Friday, July 21st
Vacation Day  <i>National Hot-Dog Day</i>		

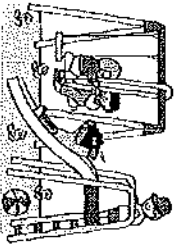
Monday, July 24th	Tuesday, July 25th	Wednesday, July 26th


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Thursday, July 27th	Friday, July 28th	Monday, July 31st
<p>Vacation Day 2</p> 		<p>Vacation Day 2</p> 

Tuesday, August 1st	Wednesday, August 2nd	Thursday, August 3rd

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Friday, August 4th	Monday, August 7th	Tuesday, August 8th
	<p>Vacation Day 4</p> 	

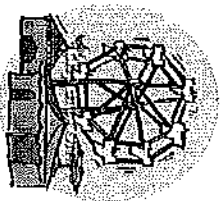
Wednesday, August 9th	Thursday, August 10th	Friday, August 11th
		 <p>International Youth Day Vacation Day</p>


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Monday, August 14th	Tuesday, August 15th	Wednesday, August 16th

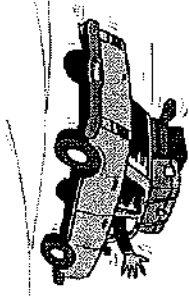
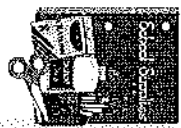
Thursday, August 17th	Friday, August 18th	Monday, August 21st

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Tuesday, August 22nd	Wednesday, August 23rd	Thursday, August 24th
	Vacation Day 5 	

Friday, August 25th	Monday, August 28th	Tuesday, August 29th
 National Dog Day		

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Wednesday, August 30th	Thursday, August 31st
<p data-bbox="1299 420 1331 714">LAST Vacation Day 6</p> 	 <p data-bbox="1104 1365 1144 1680">Get READY for school!</p>