

Summer Packet Mathematics

Entering 8th Grade

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

Student Name:	Grade:	
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Jessica Silva-Olmo, Principal

Entering Grade 8

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The length of a rectangular poster is 7 inches more than twice its width. Find the length of the poster if its perimeter is 110 inches.	Monday July 17 th	Graham spent a total of \$7.25 on 8 oranges and a packet of strawberries. If a packet of strawberries cost \$2.85, how much did each orange cost?	Monday July 10 th	Write an expression for the sequence of operations. 1. Add 3 to X, subtract the result from 1, then double what you have. 2. Add 3 to X, double what you have, then subtract 1 from the result.
Nedon Mandeta International Day Vacation Day	Tuesday July 18 ^m	The sum of the interior angle measures of a triangle is 180 degrees. Angle b is three time the measure of angle a. Angle c is 52 degrees. Find the value of x.	Tuesday July 11th	Tuesday July 4th *** *** *** *** *** ** ** **
National Hot-Dog Day Vacation Day	Wednesday July 19 th	Vacation Day 1	Wednesday July 12th	Wednesday July 5th The volume of a liquid is x liters. When five-eighths of the liquid are poured into a container, the container is two-thirds full. What is the volume of the container?
A family purchased tickets for a concert. They paid a total of \$90 for 7 adult tickets and 12 child tickets. The price of a child ticket was two-thirds the price of an adult ticket. How much was the price of an adult ticket?	Thursday July 20 ^m	Solve the following equation: 7.4r - 9 - 2r =18	Thursday July 13 th	Thursday July 6th Alex has \$44x. He boughty sets of dishes. Each set of dishes costs \$32. a. Write an algebraic expression for the amount of money he has now. b. Factor the expression.
The cost of a piece of ribbon, c, is directly proportional to the length of the ribbon, r. The cost of 8 meters of ribbon is \$5.60. a. Find the cost per eter of the ribbon. b. Write an equation relating c and r. c. Find the value of c when r is 9.	Friday July 21st	Solve the following inequality: 5(3x - 2)>2+3x	Friday July 14 th	Friday July 7th Each pencil costs x cents and each eraser costs y cents. What is the total cost, in dollars, of 10 pencils and 12 erasers?

McKinley Mustangs Core Values

**Respect ~ Integrity ~ Perseverance ~ Excellence ~ Responsibility

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Vacation Day 3	Monday July 24th Order the real numbers from least to greatest. Use the « symbol. -16.34, 2 π. 148/9. 16 4266
Respect ~ Integri	Tuesday. July 25th A car can travel 57 miles on 3 gallons of gas. A. How many gallons of gas does the car need to travel 152 miles? B. How many miles can it travel on 5 gallons of gas?
McKinley Mustangs Core Values Respect ~ Integrity ~ Perseverance ~ Excellence ~ Responsibility	Wednesday July 26th (4p - 5) pears and (8a + 9) apples are divided into 12 baskets equally. How many fruits are in each basket? Simplify your answer.
	Thursday July 27th Vacation Day 2
	The rental fee for a conference room is \$35 for the first hour and \$7 for each additional hour. Hillary has a budget of \$65 for renting the conference room. For how many hours can Hillary rent the conference room?

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Vacation Day 4	Monday August 7 th	Welcome to your August Calendar! Remember to check ALL YOUR work!
You pick a number between 20 and 50. What are the favorable outcomes for the event of picking a number that is divisible by 8?	Tuesday August 8 th	August 1st In the picture below, lines / and m are parallel. The measure of angle $\angle PAX$ is 31 °, and the measure of angle $\angle PBY$ is 54 °. What is the measure of angle $\angle APB$?
Olga buys tickets to a concert. She pays \$27.75 for each ticket plus a handling fee of \$5.50 for the order. The total cost is \$1.44.25. How many tickets, n, did Olga buy?	Wednesday August 9 th	Acylindrical bottle full of just has a base radius of 3 inches and a height of 10 inches. The bottle tipped over and some juice spilled out. Now the bottle is only % full. How many cubic inches of juice spilled out? Use 3.14 as an approximation for pi.
Jamie is making bracelets using black and red beads. She uses 6 black beads for every 4 red beads. Represent the number of black beads for any given number of red beads using a table, graph, and an equation Identify the constant of proportionality.	Thursday August 10 th	Thursday August 3rd August 3rd The weight, in pounds, of 8 different pumpkins are 15, 29.5, 10, 25, 34.5, 20, 30 and 42. Find the mean weight of the pumpkins
International Youth Day Vacation Day	Friday August 11 th	Friday August 4th August 4th Find the mean absolute deviation of the following numbers: 53, 39, 40, 42, 36, 58, 49, 55, 44, 51

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THE NEWARK PUBLIC SCHOOLS

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In the figure below, lines g and hare parallel, and line m is a transversal 1 2 4 3 5 6 MAZ = 94°, what is m.23	Monday August 14th
If mzA + mzB + mzC = 230° and mzE = 70°, what is mzD?	Tuesday August 15 th
In the figure below, lines g and h are parallel, and line m is a transversal. 1 2 9 5 6 h 8 7 If mc1 = 107°, what is mc6?	Wednesday August 16 th
Abigail mixed 2 cups of white paint with 6 tablespoons of blue paint. Which of the following statements describes this situation? 1 cup 1 cup 1 cup of white paint for every 3 tablespoons of blue paint. b. The ratio of the number of cups of white paint is 1:3. c. There are 3 tablespoons of blue paint to the number of tablespoons of blue paint. d. For each tablespoon of blue paint there are 3 cups of white paint.	Thursday August 17 th
Denver, Ca Mile High elevation i sea level that the e Valley, Cal b. H. b. H. c. V	Friday August 18 th

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		_P	ъ ъ	.p.	p	A flea
	fleas location is 4 and he is to the left of zero. Where is he on the number line?			right, then where is he on the number line? How far away from zero is he? If he starts at 1 and jumps 3 units to the left, then where is he on the	Ţ	August 21st A flea is jumping around on the number line.
Respect ~ Integr				why this is not a valid conclusion and suggest a way to gather better data to determine what subject is most popular.	of the school paper is in the class, and he wants to write an article for the paper saying that math is the most popular	August 22" In a poll of Mr. Briggs's math class, 67% of the students say
McKinley Mustangs Core Values Respect ~ Integrity ~ Perseverance ~ Excellence ~ Responsibility						August 23 ⁴ Vacation Day 5
Jes 1ce ~ Responsibility		Suppase you choose box B:	For example, there are three boxes, A, B, and C.	boxes always opens to show that it is empty. The game allows you to either (1) stay with your first choice or (2) switch to the other unopened box.	there are three boxes. One contains 10,000 points, and the other two are empty. You are allowed to choose one of the boxes, but before the one you choose opens, one of the other	August 24th You are playing a video game. At the end of every level,
				Vacation Day	National Dog Day	August 25th

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Before box B opens, one of the other boxes opens to show that it is empty. Imagine that in this case it is box C: Should you stay or should you switch? switch to the other unopened The game allows you to stay with your first choice or to

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a. Find the coordinates of the points. b. Reflect the points over the x-axis and find the coordinates of the new points: label the reflection of point A as A', the reflection of B as B', the reflection of C as C', and the reflection of D as D'. c. Reflect the points from (b) over the y-axis: label the reflection of B' as B", the reflection of C as C', and the reflection of C as C', and the reflection of C as C', and the reflection of D' as D". d. How do the points A", B". d. How do the points A, B, C, and D?	40	Monday August 28 th
	One morning the temperature is -28° in Anchorage, Alaska, and 65° in Miami, Florida. How many degrees warmer was it in Miami than in Anchorage on that morning?	Tuesday August 29**
	LAST Vacation Day 6	Wednesday August 30 ^m
	Get READY for school	Thursday August 31″

Entering Grade 8

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

Thursday July 7th		Monday, July 3rd Tuesday, July 4th
Monday July 10th		Wednesday, July 5th

	Friday, July 14th	Tuesday, July 11th	120 RDV 1887 - 1887 - 1888 - 1
	Monday, July 17th	Wednesday, July 12th Vacation Day 1	
Nebson Mandela International Day Vacation Day	Tuesday, July 18th	Trursday, July 13th	

Monday, July 24th		National Hot-Dog Day	Weanesday, July 19th Vacation Day	
Nuesday, July 25th			Thursday, July 20th	
Vedinesd	All Wares		Finday	
Wednesday July 26th			4 July 21st	

	Tuesday August 1st		Thursday, July 27th Vacation Day 2
	Wednesday August 2nd		Friday, July 28th
	Haursday August 3rd	Vacation Day 2	Monday, July 31st

	Wednesday, August 9th		
	Fhursday, August 10th	Vacation Day 4	
International Pay Vacation Day	Friday, August 11th	Milescoy August Em	

 TOTAL SOCIAL CONT.	
Thursday, August 17th	Monday, August 14th
Friday, August 18th	Tuesday, August 15th
Monday, August 21st	Wednesday, August 16th

Nathanal Dog Day	Friday, August 25th		Tuesday, August 22nd
	Monday, August 28th	Vacation Day 5	Wednesday, August 23rd
	Tuesday, August 29th		Thorsday, August 24th

LAST Vacation Day 6	
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Thursday, August 31st Get READY for school!	