nit 2 Interim Assessment Study Guide					Class Period: 1 2 3 4 Date:
-	to Mrs. Katz. The ta	anna is buying packs of pencils to give Mrs. Katz. The table below shows the ationship between packs and pencils.			A train travels 492 miles in 6 hours. At this rate, how many miles will the train travel in 14 hours?
	Number of Packs	Numbe	er of Pencils		
	1		12		
	2		24		
-	5		60		
	8		Ś		
	Answer: An auto parts facto that make the sam of production for ed in the table below.	ory has 4 e spark p	machines blug. The rate		
	An auto parts factor that make the same of production for exist the table below.	ory has 4 e spark p	machines blug. The rate		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies.
	An auto parts factor that make the same of production for exist the table below.	ory has 4 e spark p ach mad	machines blug. The rate chine is shown		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to
	An auto parts factor that make the same of production for exist the table below. Machine # 0	ory has 4 e spark p ach mad of Spark gs Made	machines blug. The rate chine is shown Time (Hours)		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to
	An auto parts factor that make the same of production for exist the table below. Machine # 0 Plug	ory has 4 e spark p ach mad of Spark gs Made	machines blug. The rate chine is shown Time (Hours)		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to
	An auto parts factor that make the same of production for expension the table below. Machine # or Plug X	ory has 4 e spark p ach mad of Spark gs Made	machines blug. The rate chine is shown Time (Hours) 5		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to
	An auto parts factor that make the same of production for each in the table below. Machine # 0 Plug W X Y	ory has 4 e spark p ach mac of Spark gs Made 115 144 154 180 given, w	machines blug. The rate chine is shown Time (Hours) 5 6 7 8		Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to

5) Mrs. Parker paid \$12.72 for 4 gallons of apple juice. At this rate, how much would she pay for 9 gallons of orange juice?	6) The Chick-fil-A down the street can serve 208 cars over a 4-hour period. What is the average number of cars that can be served in 30 minutes?
Answer:	Answer:
7) A waiter receives a tip of \$3.24. If this tip represents 18% of the price of the meal, what is the price of the meal?	8) On her last test Grace answered 80% of the questions correctly. If there were 40 questions on the test, how many did Grace answer correctly?
Answer:	Answer:
9) A recipe for root beer floats requires 3.5 gallons of root beer. How many quarts of root beer are required for the recipe? (1 gallon = 4 quarts)	10) Mrs. Katz is 62 inches tall. What is her height in centimeters? (2.54 cm = 1 inch)
Answer:	Answer:

Math 6 - Unit 2: Ratios, Rates and Proportions Name:

Unit 2 Interim Assessment Study Guide

ANSWER KEY

Class Period: 1 2 3 4 Date: _____

1) Alanna is buying packs of pencils to give to Mrs. Katz. The table below shows the relationship between packs and pencils.

Number of Packs	Number of Pencils
1	12
2	24
5	60
8	Ś

How many pencils are there in 12 packs?

2) A train travels 492 miles in 6 hours. At this rate, how many miles will the train travel in 14 hours?

Answer: 96

Answer: 1148 mph

3) An auto parts factory has 4 machines that make the same spark plug. The rate of production for each machine is shown in the table below.

Machine	# of Spark Plugs Made	Time (Hours)
W	115	5
Х	144	6
Y	154	7
Z	180	8

Based on the data given, which machine works at the fastest rate?

4) Zara is having a bake sale for the local animal shelter. Her recipe for cookies uses 4 cups of flour to make 60 cookies. How many cups of flour will Alice need to make 360 cookies?

Answer: Machine X

Answer: 24 cups

5) Mrs. Parker paid \$12.72 for 4 gallons of apple juice. At this rate, how much would she pay for 9 gallons of orange juice?	6) The Chick-fil-A down the street can serve 208 cars over a 4-hour period. What is the average number of cars that can be served in 30 minutes?
Answer: \$28.62	Answer: 26 cars
7) A waiter receives a tip of \$3.24. If this tip represents 18% of the price of the meal, what is the price of the meal?	8) On her last test Grace answered 80% of the questions correctly. If there were 40 questions on the test, how many did Grace answer correctly?
Answer: \$18	Answer: 32 questions
9) A recipe for root beer floats requires 3.5 gallons of root beer. How many quarts of root beer are required for the recipe? (1 gallon = 4 quarts)	10) Mrs. Katz is 62 inches tall. What is her height in centimeters? (2.54 cm = 1 inch)
Answer: 14 quarts	Answer: 157.48 cm