5.1-5.3
Review

You have the 5.1 – 5.3 Quiz tomorrow!!!

- **5.1 Ratios and Rates**
- **5.2 Proportions**
- **5.3 Writing Proportions**

- We will be reviewing in class today

- So, do we have homework tonight? Check your stamp sheet!

5.1 - Ratios and Rates

Write the ratio as a fraction in simplest form

1) 15 messages: 3 people

2) 7 candy bars to 42 lollipops

3) 945 jellybeans for $9

5.1 - Ratios and Rates

4) *Use the ratio table to find the unit rate with the specified units:*

gallons per hour

Hours	3	6	9	12
Gallons	10.5	21	31.5	42

5.1 - Ratios and Rates

Use the ratio table to find the unit rate with the specified units.

5) **Cost per cookie box.**

Cookie boxes	3	6	9	12
Cost	$1.20	$2.40	$3.60	$4.80

5.2 - Proportions

Tell whether the ratios form a proportion. Explain how you know.

6) $\dfrac{4}{7}$, $\dfrac{12}{21}$

7) $\dfrac{8}{9}$, $\dfrac{21}{36}$

5.2 - Proportions

Tell whether the two rates form a proportion. Show how you know.

8)   35 balloons in 5 baskets ;   42 balloons in 6 baskets

9)   100 bunnies: 25 cages   ;   50 bunnies: 20 cages

5.3 – Writing Proportions

10)   Use the table to write a proportion

	Potato Pizza	Potato Ice Cream
Dollars	15	20
Pounds	5	p

5.3 – Writing Proportions

11)   Use the table to write a proportion

	Monday	Tuesday
Texts	t	40
Minute	9	10

5.3 – Writing Proportions

12)   Solve the proportion

$$\frac{x}{20} = \frac{5}{100}$$

5.3 – Writing Proportions

13) **One day, you hike 5 miles in 30 minutes. The next day, you hike 20 miles in 110 minutes.   Are these rates proportional? Explain.**

5.3 – Writing Proportions

14) In the first annual pie-eating contest, you eat 16 pies in 2 minutes. In the second annual pie-eating contest, you eat 48 pies in 3 minutes.

Are these rates proportional? Explain.