Happy Friday

1. Get out your home work

2. Get a marker, white board, and **one** eraser per table

3. Problem of the Day

An industrial machine is able to make 9 pens in 3 seconds.
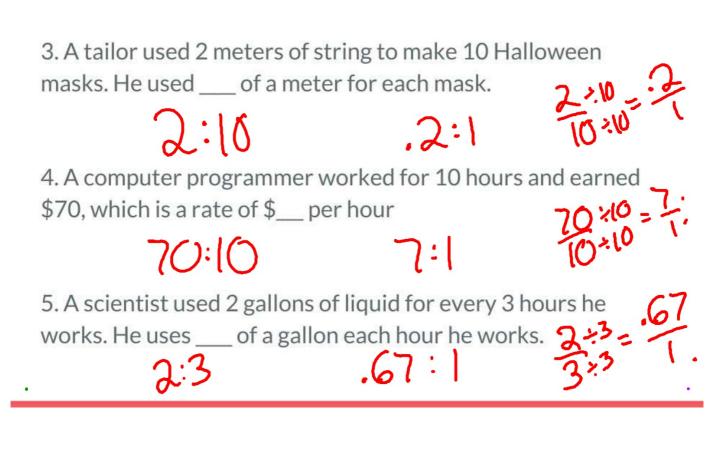What is the rate and the unit rate of pens to seconds?

9:3   3:1 $\frac{9 \div 3}{3 \div 3} = \frac{3}{1}$

39⁵ᵗ ᵘᶜ / to 1 min

78:2	39:1	39:1
42:3	14:1	14:1
20:30	.67:1	.67:1
87:3	29:1	29:1
26:2	13:1	13:1
15:20	.75:1	.75:1
105:3	35:1	35:1
44:4	11:1	11:1
9:15	.6:1	.6:1

.6̅ .66 ~~2/3~~

$$\frac{9 \div 15}{15 \div 15} = \frac{.6}{1}$$

Module 6
Lesson 2

I will be able to identify Rates, Unit Rate, and Unit Price

Whiteboard Practice

1. We paid $40 for 8 hamburgers, which is a rate of $___ per hamburger.

2. It took a pet store 10 weeks to sell 80 cats. What is the rate sold per week?

3. A tailor used 2 meters of string to make 10 Halloween masks. He used ___ of a meter for each mask.

2:10   .2:1 $\frac{2 \div 10}{10 \div 10} = \frac{.2}{1}$

4. A computer programmer worked for 10 hours and earned $70, which is a rate of $___ per hour

70:10   7:1 $\frac{70 \div 10}{10 \div 10} = \frac{7}{1}$

5. A scientist used 2 gallons of liquid for every 3 hours he works. He uses ___ of a gallon each hour he works.

2:3   .67 : 1 $\frac{2 \div 3}{3 \div 3} = \frac{.67}{1}$

Which Bag Should I Buy?

$3.98

Doritos: Nacho Cheese Flavored Tortilla Chips, Party Size, 15 oz. Bag

$2.98

Doritos: Nacho Cheese Flavored Tortilla Chips, 9.75oz. Bag

Unit Price-

Finding the cost per item

Dividing the cost by the quantitiy!

$\frac{\$}{\#}$

Ex: ~~For~~ **4** potted plants cost $88. What is the price per plant?

$88 : 4 \text{ plants}$

unit price
$(\$22 : 1 \text{ plant})$

$\frac{88 \div 4}{4 \div 4} =$

$\frac{22}{1}$

Practice

1) Heather spent $96 on four concert tickets. How much was each ticket?

   Rate: Unit Price:

$$\frac{50¢}{1 \text{ box}}$$

2) Theo's mom bought an eight-pack of juice boxes at the store for $4. Find the price for each juice box.

   Rate: $\$4 : 8$ juice boxes   Unit Price: $\$.50$ over $\frac{}{1 \text{ box}}$ $\frac{4÷8}{8÷8} = \frac{.5}{1}$

   $$\frac{4}{8}$$

1

Soda

rounding → Unit Price

$$\frac{.99 ÷8}{8 ÷8} = \frac{.123}{1} = \frac{\$.12}{1 oz}$$

$$\frac{\$1.39 ÷12}{12c_i ÷12} = \frac{}{1}$$

(4)

$12\overline{)1.39}$

Homework

Begin working on Better Buy worksheet

Choose two problems to show work on

For the rest YOU MUST write out the division sentence BUT YOU may use a calculator