## Do Now:

Describe and correct the error in solving the proportion.

$$3 \xrightarrow{3} 12$$

$$9 = \frac{12}{9}$$

$$9 = 3 \times 12$$

$$3 = 9(13)$$

$$9 = 36$$

$$9 = 36$$

$$m = 4$$

$$9 = \frac{10\%}{3}$$

$$\frac{39}{13} = \frac{9}{d}$$

## 7.2 Writing and Solving Proportions

7.RP

- SWBAT write and solve proportions.
- SWBAT apply proper techniques to find measures.

Calculators: Yes

The dimensions of a scale model are proportional to the dimensions of the actual object.

The scale is written as a ratio.

Strawberry Point, lowa, has a strawberry sculpture that is 15 feet tall. If the scale of this model is 10 feet to 1 inch, how tall was the actual strawberry?

Actual

10 feet

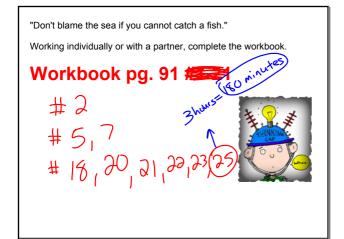
15 ft

Sculpture

10 feet

10 (x) = 15(1)The actual strawberry (x) = 15(1) (x) = 15(1)

An architecture draws a blueprint for the front of a townhouse. On the blueprint, the townhouse is 50 centimeters wide. If the scale of the blueprint is 1 centimeter to 0.5 meter, how wide is the front of the townhouse  $\frac{1}{50}$  cm  $\frac{1}{100}$   $\frac{1}{100}$ 



Answers to the Workbook	
	- 1

## Exit Pass 7.2

On a scale on 1 to 10 (1 being the lowest and 10 being the highest), how confident are you with writing and solving proportions?



No Homework!

