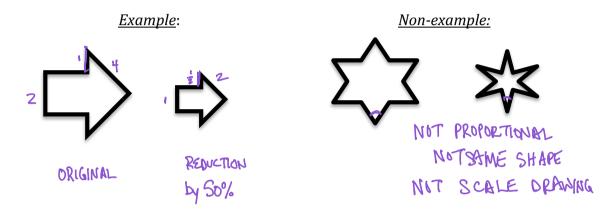
Mr. Rogove

Date:

LEARNING OBJECTIVE: We will relate scale drawings to ratios and rates. (G7M4L11)

CONCEPT DEVELOPMENT:

CONCEPT DEVELOPMENT: Map, Scale model, blueprint Scale Drawing: A drawing in which all lengths between points and figures in the drawing are reduced or enlarged **PROPORTIONAL** to the lengths in the actual picture.



Reduction: The lengths in the scale drawing are smaller than those in the actual

object or picture.

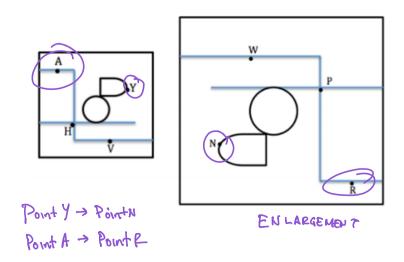
Example: Blueprints map, models (like solar system), Painting,

Enlargement/Magnification: The lengths in the scale drawing are larger than het wheel those in the actual object or picture.

Example: Pictures on cereal boxes, magnifying glasses.

Caricature "SIZE enlarged to Show texture"

One-to-One Correspondence: Each point in one figure corresponds to one and only one point in the second figure.



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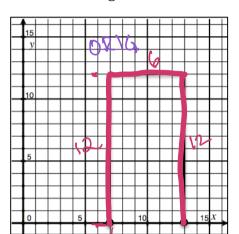
Date:

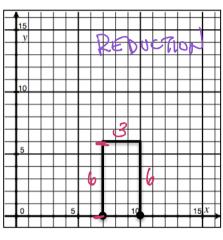
GUIDED PRACTICE:

Steps for Examining Scale Drawings

- 1. Carefully study original and second picture to determine if the second is a scale drawing.
- 2. Identify the scale drawing (if the two drawings are to scale) as either a reduction or enlargement.
- 3. If possible, determine the constant of proportionality that exists.

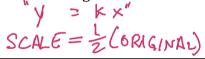
Are the two images drawn to scale?



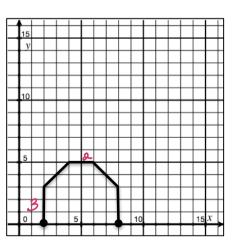


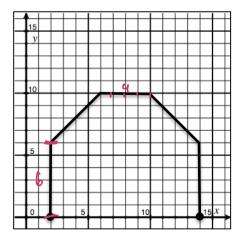
Is the picture on the right a reduction or an enlargement of the original on the left?

REDUCTION What is the constant of proportionality?



Are the two images drawn to scale?





Is the picture on the right a reduction of enlargement of the original on the left? FNLARGEMENT

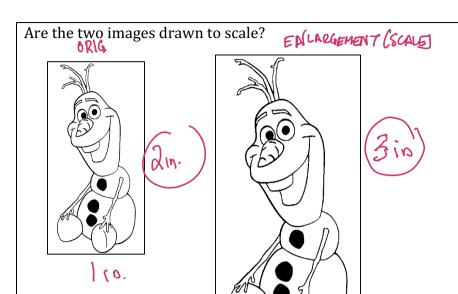
What is the constant of proportionality?

SCALE = 2 × ORIG.

Math 7.1, Periods 1 and 2

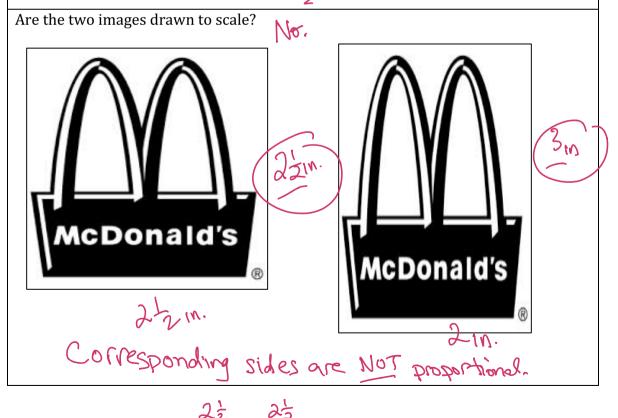
Mr. Rogove

Date:



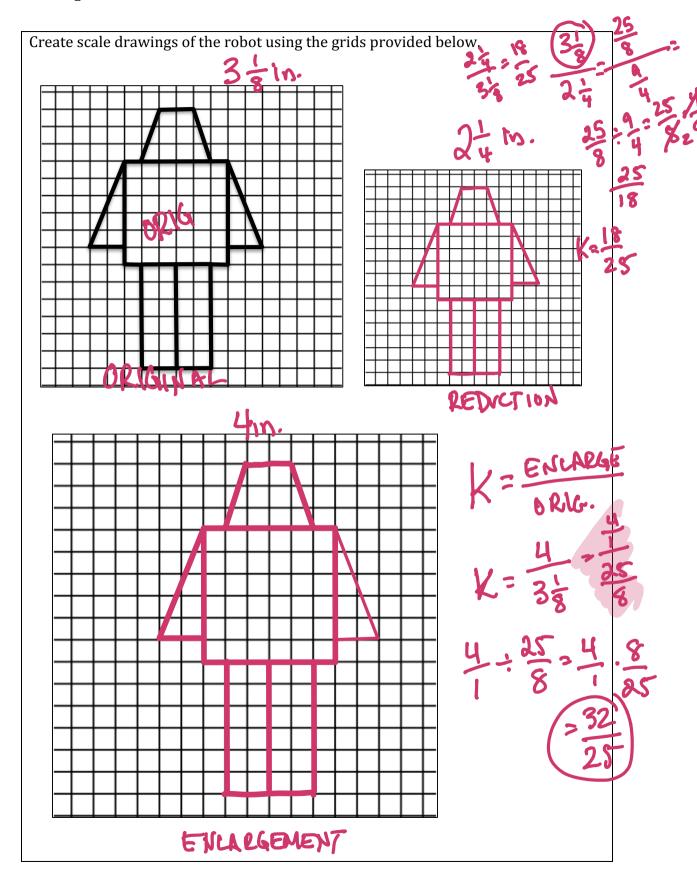
Is the image on the right an enlargement or a reduction of the original on the left?

What is the constant of proportionality? $\frac{3}{2}$ or 1.5



Mr. Rogove

Date:_____



NAME:	Math 7.1 , Periods 1 and 2
Mr. Rogove	Date:
INDEDENDENT DOACTICE:	

INDEPENDENT PRACTICE:

Use Exit Ticket from Lesson 16 Module 1 as independent practice Manually add closure question below.

ACTIVATING PRIOR KNOWLEDGE:

We can identify a unit rate easily...

c colli recerrenzy et enime recer celenzy	·
Colleen was able to make 5 peanut	Colleen was able to make 5 peanut
butter and jelly sandwiches in 7 minutes	butter and jelly sandwiches in 7 minutes
and 30 seconds. How many peanut	and 30 seconds. How many minutes
butter and jelly sandwiches can she	does it take her to make one peanut
make in one hour?	butter and jelly sandwich?

CLOSURE:

How are scale drawings related to rates and ratios?

NOTES:

No homework...lesson aligns to Module 1, Lesson 16