SETON
EDUCATION PARTNERS

IMAGINE MATH LESSON NOTES SHEET

Name Joseph Smith Date 9/30, 10/1

Lesson Proportions in Scale Drawings

	① Pre-Quiz	② Warm Up	③ Guided Learning	④ Problem-Solving Process	⑤ Practice	⑥ Post-Quiz	I PASSED / FAILED this lesson.
Record your score, ✓, or none	150/175	25/75	0/50	None	120/150	150/200	✓

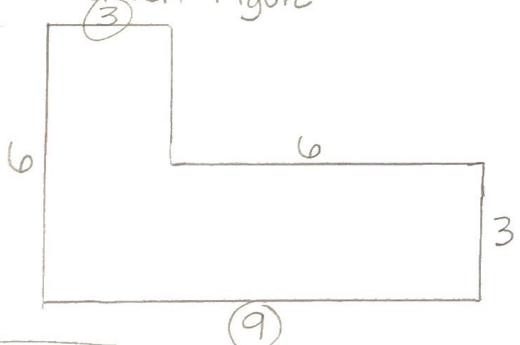
- *If you passed a Pre-Quiz, you showed that you understand that lesson...no need to fill out a lesson tracker!*
- *This page is mainly for recording the important concepts of each lesson. Use the back side of this paper for your practice and work.*

Guided Learning / Problem Solving *Use this section to record the important ideas of this lesson. You might include...* explanations Vocabulary Step-by-step instructions Examples with good

I can switch the order as long as I always do it the same

Scale - the # used to multiply both parts of a ratio to create an equivalent ratio

Given Figure

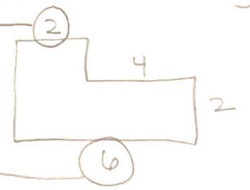


Given Scale

3:2

9:6

Scale Drawing



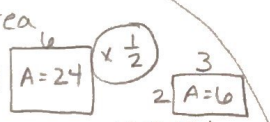
The ratio of scale to given is $\frac{2}{3}$

Or given to scale is $\frac{3}{2}$

Always multiply the given times the same number to get the scale drawing.

Be careful finding area!

Don't just multiply the area times the scale factor!



Not 12!

Post-Quiz Use this space to show your work/thinking on problems from the post-quiz

① $\cancel{60}^{6} \times \frac{3}{\cancel{10}_{1}} = 18$

18 cm

② Peanuts : Cashews

3oz : 2oz

60oz : ?

$3 \times \_\_\_ = 2 \rightarrow 3 \times \frac{2}{3} = 2$

$60 \times \frac{2}{3} = \frac{120}{3} = 40$

scale factor

③ Larger $\times \frac{1}{2}$ = Smaller

L = 36cm $\times \frac{1}{2}$ = 18 cm

W = 28cm $\times \frac{1}{2}$ = 14cm

18 x 14 = 252

calculator

④ Texts Sent : Points

3 : 15

$\frac{\text{Points}}{\text{Texts}} = \frac{15}{3} = 5 \text{ pts/text}$

360 texts

⑤ 360 : 1800

5)1800

-15

30

-30

00