

Name: _____ Class Period: _____

Unit 6: Proportions

Record in the charts below and in your Lehi school planner:

1. Assignment and due date'
2. Benchmark quiz dates,
3. Test date (when posted),

If you were absent it is your responsibility to copy the needed information from another student.

Class notes can be found at www.mrspritchard.com.

Date	Lesson	Learning Target	Assignment	Due Date	✓
	6-1	Ratio & Rates	Pg.230: 6-8, 14-22 Pg.234: 6-18, 22-25		
	6-2	Proportions	Pg.240: 10-20 Pg.246: 3-25		
	6-3	Similar Shapes	6-3 Pink wkst and pg. 254: 2-3,6-10,12,14-16		
	6-4	Scale Factors	Blue wkst and Pg.261: 4-11		
	6-5	Customary Units	Pg.150: 9-29,31-37		
	6-6	Metric Measurements	Yellow wkst and Pg.28: 5-7,11-16		
	Unit 6 Review		Green wkst		
	Test				

Announcements

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Unit 6
Learning Target Benchmarks

Students will pass the following benchmarks	Page #	Date	Score	1 st Retake	2 nd retake	Passed (✓)
Proportions						
Scale Factors and Similar Shapes						

Benchmark Quiz Practice Questions: *(Key will be posted on the Benchmark board)*

Proportions:

Determine if these two ratios form a proportion.

1. $\frac{1}{3}, \frac{5}{15}$

2. $\frac{3}{10.5}, \frac{4}{14}$

3. $\frac{2}{7}, \frac{9}{30}$

4. $\frac{5}{20}, \frac{20}{80}$

Solve the following for the value that will make these two ratios a proportion.

5. $\frac{w}{6} = \frac{3}{4}$

6. $\frac{1}{5} = \frac{55}{c}$

7. $\frac{12}{x} = \frac{2}{3}$

8. $\frac{5}{11} = \frac{y}{50}$

Set up a proportion and solve.

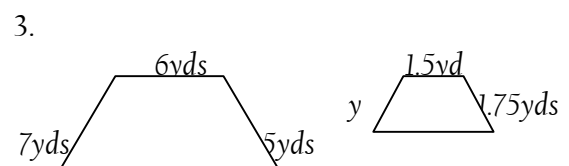
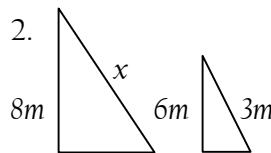
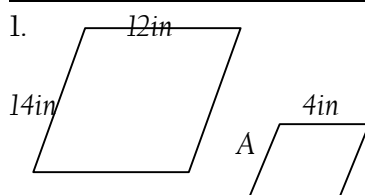
9. If it takes 10 gallons to travel 320 miles how many gallons will I need to travel 1000 miles?

10. Brady runs 2 km in 9 min. He plans to run in a 15 km race. How long will it take her to complete the race?

11. If John can travel 110 miles in 2 hours, how far can he travel in 4 hours? In 5 hours? In 6 hours?

12. It takes 3 eggs to make 2 dozen cookies. How many eggs do you need to make 12 dozen cookies?

Scale Factors and Similar Shapes:



4. If the scale on a map is 10 miles for every 1.5 inches, how long would a hike be if the distance on the map is 6 inches?

5. If the scale for a house blue print is 5 ft equals 1.5 inches, how many feet will a wall be if the blue print measures 4.5 inches?

6. If the scale on a map is 7.5 miles for every 2 inches on the map; what is the distance on the map if you travel 75 miles?