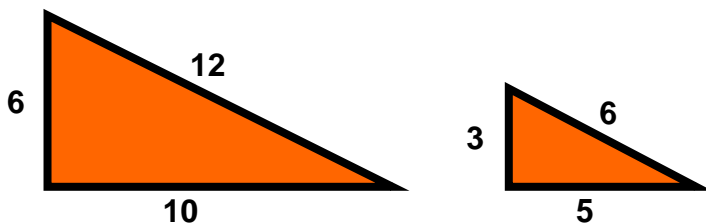


## Math Mod 6 Practice Test

<http://school.discovery.com/quizzes19/mrmillsap/Mod6MathPractice.html>

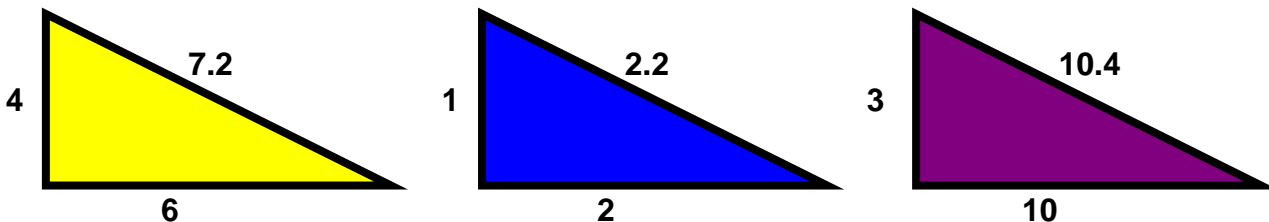
- Look at the two triangles shown above. What are the three ways you can write the ratio of the perimeter of triangle A to the perimeter of triangle B? [28 :14, 28 to 14, 28/14] (Mod6Triang)



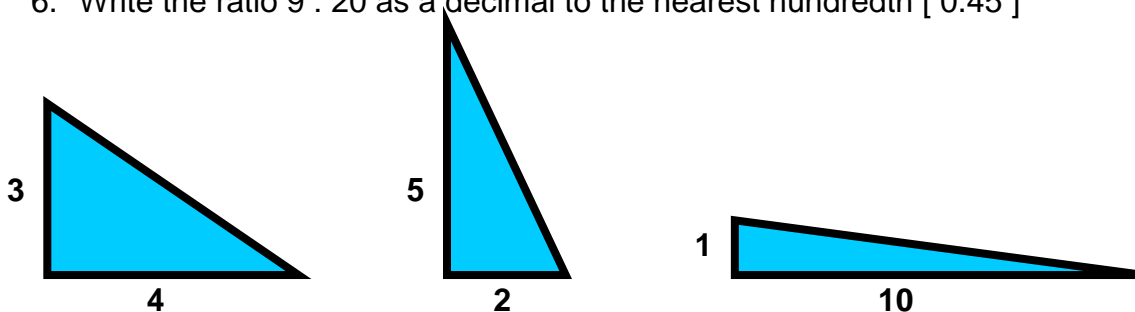
- Tell whether the following ratios are equivalent:  $8/6$  and  $4/2$  [No]
- Tell whether the following ratios are equivalent:  $536 : 8$  and  $67 : 1$  [Yes]

Silver (oz.)	3	6	9	12	15
Cost (\$)			\$18		

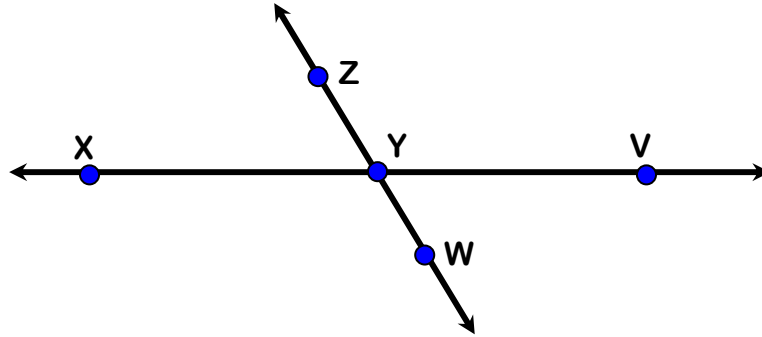
- Nevada is called the “Silver State” because of how much silver has been mined here. Complete the table above to answer this question: How much does 15 oz. of silver cost, and how much does \$10.20 of silver weigh? [ \$30 and 5.1 oz. ] (Mod6Table)



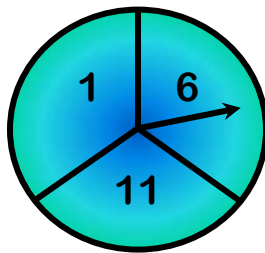
- Which of the triangles above have a base to height ratio of 3:2? [ Yellow ] (Mod6Tri3)
- Write the ratio  $9 : 20$  as a decimal to the nearest hundredth [ 0.45 ]



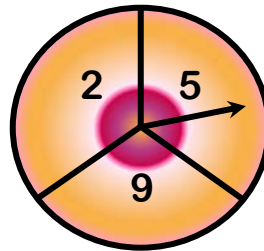
7. Look at the three blue triangles above. Write each base to height ratio as a decimal, and then answer this fill-in-the-blank question: The smaller the ratio the \_\_\_\_\_ and \_\_\_\_\_ the triangle will be; the larger the ratio the \_\_\_\_\_ and \_\_\_\_\_ the triangle will be. [taller and skinnier; shorter and wider ] (Mod6Tri4)
8. Find the missing term in this proportion  $\rightarrow 5 : 6 = z : 54$  [45]
9. On a scale map, 4 inches represents 48 miles. To the nearest mile, how many miles are represented by 7 inches? [84]



10. Looking at a protractor, estimate the measure of angle  $Z Y V$  in the drawing above. [120 degrees] (Mod6Pro)
11. What is 75% of 84? (63)
12. Michael scored in about 23% of the 36 soccer games in which he played. Use a “nice” fraction (such as  $\frac{1}{4}$ ,  $\frac{1}{2}$ , or  $\frac{3}{4}$ ) to estimate in how many games he scored. [About 9]



**Angie**



**Rita**

13. Angie and Rita are going to play Dueling Spinners with the spinners shown above. The one who spins the highest number wins. Make a tree diagram and find the probability (to the nearest whole percent) that Angie will beat Rita. [44%] (Mod6Spin)