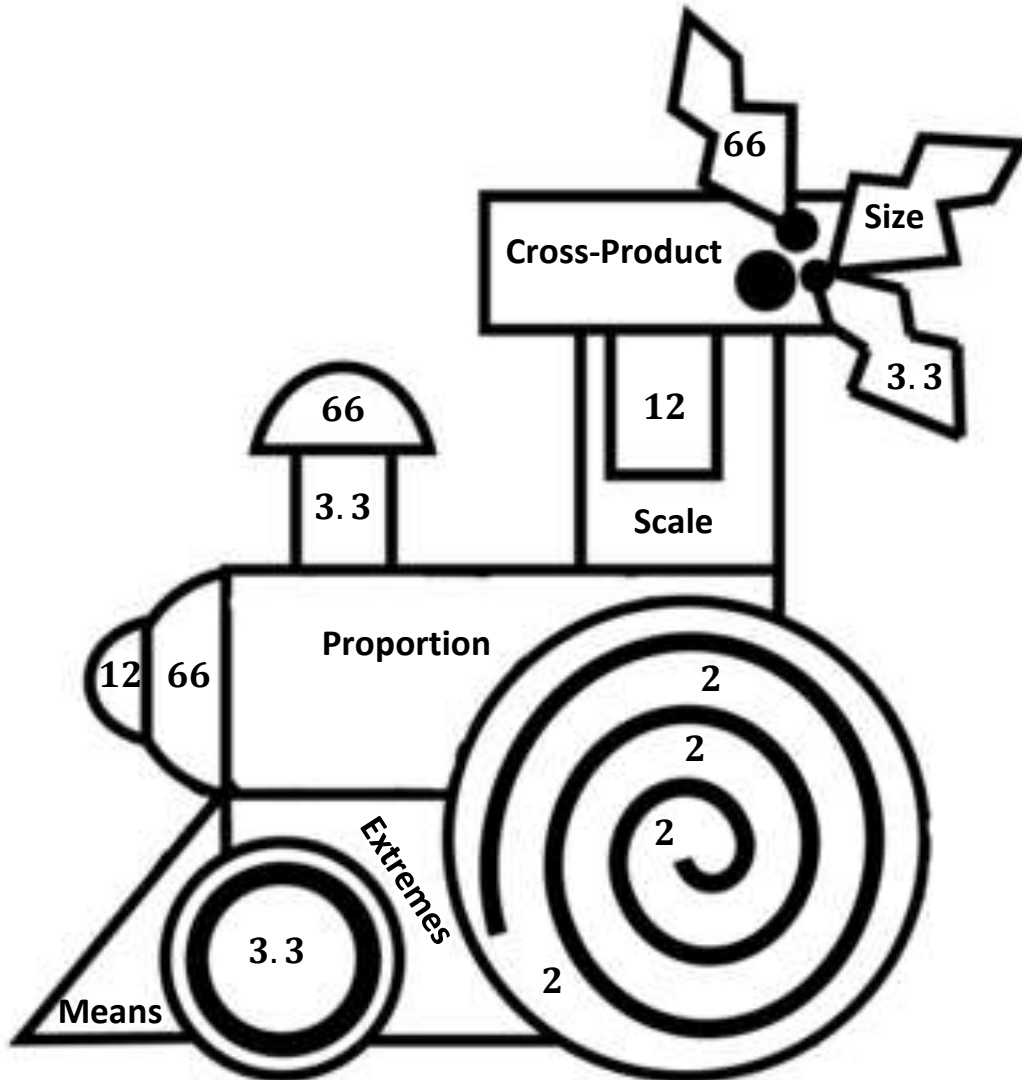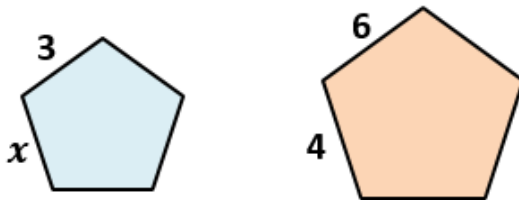# 2-8 Proportions and Similar Figures - Christmas Color Match Activity

Algebra1Coach.com

Directions: Answer the questions. Find your answer on the Christmas train, then color according to your answers.

1. An equation having two equal ratios is known as _____. **(ORANGE)**

2. In the proportion $\frac{a}{b} = \frac{c}{d}$, b and c are termed as _____. **(RED)**

3. In the proportion $\frac{a}{b} = \frac{c}{d}$, a and d are termed as _____. **(YELLOW)**

4. The solution of the equation $\frac{x}{15} = \frac{4}{5}$ is _____. **(BLUE)**

5. In a proportion, the product of extremes is equal to the product of means by _____ property. **(GREEN)**

6. Two figures are similar if they have same shape but not the same _____. **(BROWN)**

7. What is the value of x in the figure given below? **(BROWN)**

8. A drawing of an object on a paper using a certain scale which is similar to the actual shape of the object is known as a _____ drawing. **(GREY)**

9. On a map, the scale is 1 inch : 11 km. If the distance between city A and city B on the map is 6 inches, what is the actual distance (in km) between the two cities? **(RED)**

10. Alan is making a model building out of sticks. The scale of his building is 1 inch : 400 ft. If the actual length of the building is 1320 ft., what is the length (in inches) of the model? **(PURPLE)**