

I. Solve using Cross Products

$$1) \frac{x}{32} = \frac{7}{16} \quad 2) \frac{3}{x} = \frac{9}{x-4} \quad 3) \frac{m}{5} = \frac{m-6}{4}$$

II. Story Problems

- 4) It takes 30 tomatoes to make 8oz. Of enchilada sauce. How many tomatoes would it take to make 12oz. of enchilada sauce?
(set up and solve using a proportion)

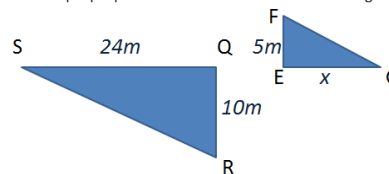
Story Problems Cont.

- 5) A ship model kit has a scale of 1ft:600ft. A completed model of the Queen Elizabeth II is 1.6ft. Long. Find the actual length by setting up and solving a proportion.

III. Similar Figures

- 6) $\triangle EFG \sim \triangle QRS$ Find GE

-Set up a proportion to solve for the unknown length.



Similar Figures Cont.

- 7) A woman who is 5.5 ft. tall stands next to a lamp post. The woman and the lamp post are perpendicular to the ground. The sun strikes at the same angle and casts a 2.2 ft. shadow of the lady and a 6.4 ft. shadow of the post. How tall is the lamp post? Draw a diagram to represent the situation. Set up and solve using a proportion.

HW

p. 175

#s 1-5 ALL

AND

p. 171-173

#s 8, 12, 16, 24, 30, 32, 36, 38, 40