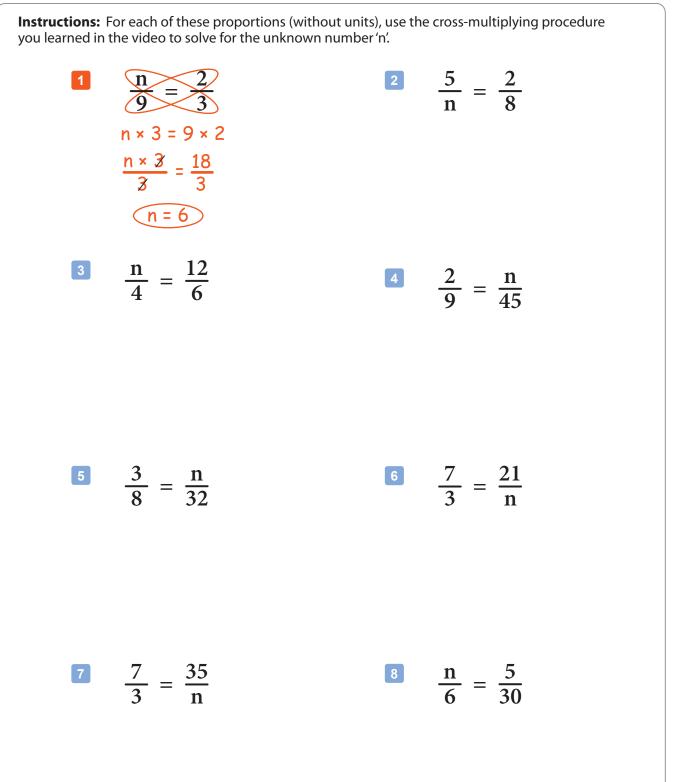


Date:

P-PRO 1

#### **Cross Multiplying to Find an Unknown**







Date:

P-PRO 2

### Cross Multiplying to Find an Unknown - Set 2

Instructions: For each of these proportions (without units), use the cross-multiplying procedure you learned in the video to solve for the unknown number 'n'. You can use a calculator for this set.  $\frac{8}{n} = \frac{15}{6}$ 1  $n \times 5 = 7 \times 2$  $\frac{n \times \overline{\vartheta}}{\overline{\vartheta}} = \frac{14}{5}$ (n = 2.8) $\frac{n}{5} = \frac{3}{10}$  $\frac{4}{12} = \frac{n}{6}$  $\frac{5}{5} \quad \frac{3}{5} = \frac{n}{32}$  $\frac{6}{3} = \frac{4}{3} = \frac{51}{n}$  $\frac{5}{7} = \frac{1.2}{n}$  $\frac{n}{10} = \frac{3}{2.5}$ 

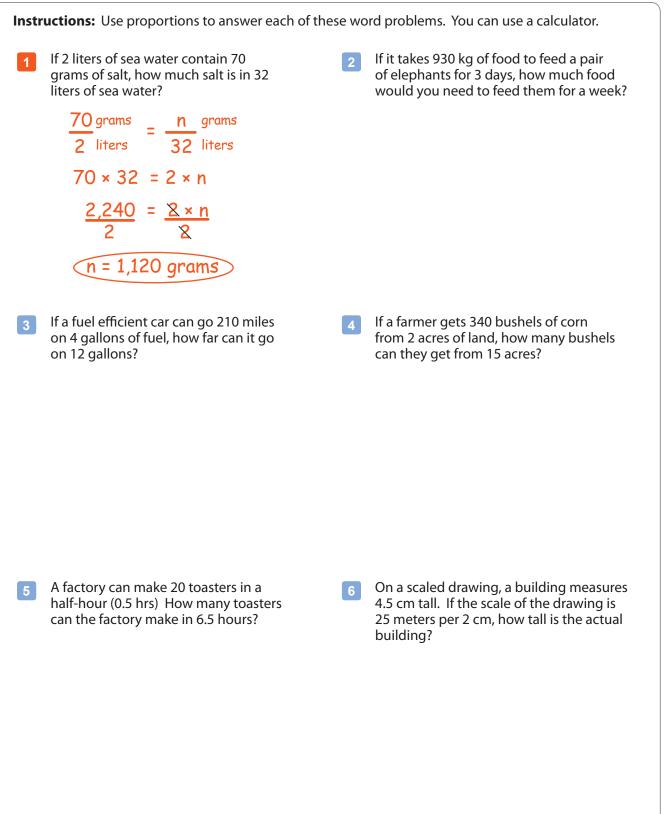




Date:

P-PRO 3

## **Proportion Word Problems**





Date:

P-PRO 4

# **Proportion Word Problems - Set 2**

<b>Instructions:</b> Use proportions to answer each of these word problems. You can use a calculator.					
1	A rain gauge collected 0.2 inches of rain in 30 minutes. If it keeps raining at the same rate, what's the total time it will take to collect 1 inch of rain?	2	A biologist counted 15 squirrels in 3 acres of forest. Based on that data, how many squirrels would be expected to inhabit a 275 acre forest?		
3	A runner burned 120 calories on a 1.6 km run. How many calories would they burn on a 5 km run?	4	If 3 oranges cost \$1.75, how much would 20 oranges cost?		
5	If it takes 2.3 gallons of milk to make 2 pounds of cheese, how many pounds of cheese can you make with 50 gallons of milk?	6	If you need 8 oz of chocolate chips to make 1.6 lbs of cookie dough, how many ounces of chocolate chips will you need to make 7 pounds of cookie dough?		



Date:

P-PRO 5

## Scaled Drawing Problems - page 1

Instructions: Use this map to answer the questions below and on the following page. Turtle Ba OAHU 4.4 cm Waialua Bay Ka'Ena Point • 4 cm 11.2 cm Pearl Harbor 2.8 cm 4 cm = 10 mi Honolu 2 cm Hanauma Diamond 5 Bay Head note: all measurements are approximate, printout may not be to scale How many miles is it from Honolulu How many miles is it from Honolulu to Diamond Head? to Pearl Harbor?  $\frac{4}{10} \frac{\text{cm}}{\text{mi}} = \frac{2}{n} \frac{\text{cm}}{\text{mi}}$  $4 \times n = 10 \times 2$ <u>4×n</u> = <u>20</u> 4 n = 5 miles





Date:

P-PRO 6

# Scaled Drawing Problems - page 2

Instructions: Use the map on the previous page to answer these questions.				
_			see previous page	
3	How many miles is it from Honolulu to Turtle Bay?	4	How many miles is it from Turtle Bay to Waialua Bay?	
5	How many miles is it from Pearl Harbor to Ka'Ena Point?	6	How many miles is it from Honolulu to Kaneohe?	
_				
7	How many miles is it from Kaneohe to Hanauma Bay?	8	How many miles is it from Ka'Ena Point to Waialua Bay?	