Name

5-9B Lesson Master			Questions on SPUR Objection See pages 320–323 for objective background by the set of the	Questions on SPUR Objectives See pages 320–323 for objectives.		
S In 1	KILLS Objective	C portion.				
1.	$\frac{x}{-144} = \frac{8}{9}$	2. $\frac{3y}{81} = \frac{2}{6}$	3. $\frac{a}{a-5} = \frac{10}{11}$			
4.	$\frac{7}{19-c} = \frac{12}{c}$	5. $\frac{4d}{d+1} = \frac{8}{5}$	6. $\frac{4}{e-7} = \frac{9}{2e}$			
7.	$\frac{f+6}{3} = \frac{4f-1}{2}$	8. $\frac{5g-2}{8} = \frac{g-9}{2}$	9. $\frac{2h+1}{5} = \frac{7h}{15}$			
10.	$\frac{16 - 9y}{1 - 8y} = \frac{12}{5}$	11. $\frac{4-j}{3-j} = \frac{6}{7}$	12. $\frac{-1}{k+5} = \frac{18}{17k}$			
P	ROPERTIES Ob	jective D				
13.	. If $\frac{5}{w} = \frac{26}{15}$, what does 26 <i>w</i> equal?					
14.	<i>Complete the phrase.</i> "3 is to 27 as 7 is to"					
	SES) Objective J					
15.	The ratio of the lengths of two snakes is 3 to 2. The shorter snake is 5 feet long. How long is the other snake?					
16.	Beth is planning to make a patriotic quilt using red, white, and blue fabrics. She wants to use twice as much white in the quilt as red and blue together. The quilt uses 9 yards of 36-inch fabric. How many yards of each color should she buy?					

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17.	Bianca mixes 5 parts nuts to 2.5 parts dried apricots to make an afternoon snack. If she has 3 cups of apricots, how many cups of nuts does she need to make her snack?	
18.	A liquid treatment for the prevention of rose diseases is mixed with water at a rate of 1:64. If 8 cups of water are poured into a watering can, how many cups of the treatment should be added?	
19.	Pierce and Fabian have collected autographed baseballs. Pierce has 3 more than twice the number of baseballs Fabian has. The ratio of the number of baseballs that Fabian has collected to the number of baseballs Pierce has collected is 3:7. How many autographed baseballs does each have?	
20.	The state Department of Natural Resources uses a capture/recapture program to check the number of fish of various types in Long Lake. One year, 50 large-mouth bass were tagged. Two years later, of 20 large- mouth bass that were netted, 2 were tagged. Estimate the total number of large-mouth bass in Long Lake.	
A la the ash ratio	ndscaping company is hired to plant maple, ash, and locust trees along streets of a new subdivision. The landscapers plant 3 times as many trees as maple trees and 20 more locust trees than ash trees. The o of the number of ash trees to the number of locust trees is 3:4.	
21.	How many of each type of tree is planted?	
22.	What percent of the trees planted are maple trees?	