## **Division Strategies**

Problem: There are 73 fourth-graders that need to make 3 equal groups. How many students in each group?

Area Model	Think Multiplication Partial Quotients		
Split the total into smaller parts and shares them evenly into rows, using base ten blocks to help  10 10 4  10 24 with 1 leftover  10 10 4  30 30 12  73 - 30 = 43 43 - 30 = 13 13 - 12 = 1	Trying to figure out how many groups of the divisor (61) can be combined to equal the dividend (549)  10 x 17 = 170 (too small) 30 x 17 = 510 (close, but not enough) 35 X 17 = 595 (slightly over) 34 x 17 = 578 + 7	75 68 x 4 7 left over	
Fair Share	How many people will be in each group?  Repeated addition  Repeated Subtraction		
(ones or groups)		<b>-</b>	
Pass out to each group to equally share. May pass out by ones or groups  7 in each group with 1 left over	Add up groups to get to the total  13 + 13 = 26 26 + 13 = 39 39 + 13 = 52 52 + 13 = 65 65 + 13 = 78	Subtract groups to remove the total  78 - 13 = 65 65 - 13 = 52 52 - 13 = 39 39 - 13 = 26 26 - 13 = 13 13 - 13 = 0	
Problem: There are 29 fourth-		78 - 26 = 52 (2 groups) 52 - 13 = 39 39 - 26 = 13 (2 groups) 13 - 13 = 0	
graders that need to make 4 equal groups. How many students in each group?		word problem workshop	

**Division Forecasting Guide** 

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Problem:				
Equation: Sticky Points:		Possible Learning Goals:		
				Area Model
Fair Share (ones or groups)	Repeated Addition		Repeated Subtraction	
word word				