Addition Strategies

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In Grade 4, you are using different strategies to solve addition problems efficiently. Here is an example:

Breaking the Numbers Apart

Cheyenne solved this problem by adding one number in parts.

Cheyenne's solution

$$1,852 + 688 =$$
 $1.852 + 600 = 2,452$
 $2,452 + 80 = 2,532$
 $2.532 + 8 = 2,540$

Richard and Jill solved the problem by adding by place. Their solutions are similar, but they recorded their work differently.

Richard's solution

Jill's solution

1,852	
+	688
1,000	
1	,400
	130
+	10
2,540	

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1,852 + 688

Changing the Numbers

Emaan solved the problem by changing one number and adjusting the sum. He changed 688 to 700 to make an easier problem to solve.

Emagn's solution

Venetta solved this problem by creating an equivalent problem.

Venetta's solution

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1,852 + 688 = (-12) (+12) I added 12 to 688 and subtracted 12 from 1,852. 1,840 + 700 = 2.540
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Show how you would solve the problem 1,852 + 688.