Math Strategies We Use in 1st Grade



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This booklet will show you some of the strategies I have learned to be more successful at solving problems. As I become a stronger mathematician, I learn how and why problems can be solved in different ways. The more I learn and use these different strategies, the more efficient and accurate I will become.

Counting

I see 10 ones as one "ten" and can count by groups of tens.



I see 1 group of ten and 3 more.

Ten Frame



Double Ten Frame













Students determine that there are 8 beads hidden, because they see 12 beads, and 12 + 8 = 20. The problem can be expressed as an equation with a missing addend: 12 + ____ = 20. Solving 62 + 10:

Addition

I can fluently add within 10.

<u>Ten Frames</u>



Dominoes







Ч	+ -	+	2	=	6	
2	2 -	ł	4	=	6	
6	, -	_	4	=	2	
6	, -	_	2	=	4	

Counting On

$$62 + 10 = 72$$

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$$62 | 1 | 1 | 1 | 1 | 1$$

$$63 64 65 66 67 68 69$$

$$8 9 10$$

$$8 9 10$$

$$1 | 1 | 1$$

$$70 71 72$$



62,72

62 + 10 = 72

Place Value Splitting



I can add within 20 using strategies and within 100 using models and place value.

Here are some examples of students using different strategies:





End of the Year Expectations

- Count to 120 starting at any number
- Count on from a given number
- Write numbers 0-120
- Fluently add and subtract within 10
- Add and subtract within 20 using strategies such as decomposing and composing tens and ones.
- Add and subtract within 100 using concrete models, place value, and other strategies

Number Lines

I can add numbers by using different strategies on a number line.



Subtraction

I can fluently subtract within 10. Using the same strategies I use when adding, I can subtract within 20.

I can subtract multiples of 10 (10-90) within 100 using models and place value.

<u>Ten Frames</u>



Number Rack



7 beads. Now ... slide 5 to the right.



Two beads are left.

Number Bonds







Fact Families





