



**Getting Ready for First Grade: Fluently add and subtract within 5, including zero.**

## Math Summer Learning Overview & Fluency Tips

Welcome to summer math learning! Just as students benefit from reading during the summer, they also benefit from engaging in math activities. Knowing addition, subtraction, multiplication, and division facts is really important in mathematics. When children know their facts they are able to succeed at higher levels. Without automaticity of facts, children can become “lost in the math,” especially when they reach middle or high school.

**How long?** Research has proven that just 10 minutes a day can increase a child’s fact fluency!

**Need Some Extra Help?** If you don’t know where to start with practicing fluency, please contact your child’s classroom teacher. You may also use Fluency & Vocabulary Resources from a grade above to find your child’s “just right” level of learning.

[Next Year’s Fluency Link](#)

[Vocabulary in English](#)

[Vocabulary in Spanish](#)

[Vocabulary in Portuguese](#)

<b>Games with Materials</b>
<a href="#">Plus 0 Plus 1 Game</a>
<a href="#">Add within 5 Game</a>
<a href="#">Minus 0 Minus 1 Game</a>
<a href="#">Subtract within 5</a>
<a href="#">Kaboom!</a>
<a href="#">Power Towers</a>
<a href="#">Spill the Cup</a>
<a href="#">Games with Bears</a>
<a href="#">Dice and Card Games</a>
<a href="#">Race to the Sun</a>

<b>Games with Few or No Materials</b>
<a href="#">What's the Expression?</a>
<a href="#">Games to Build Number Sense</a>
<a href="#">Hopscotch</a>
<a href="#">Water Balloons</a>
<a href="#">Playground Activities</a>



**Teachers teach students strategies to learn their addition and subtraction facts.  
Listed below are some strategies that students learn in school to become fluent in their facts.**

Name	Examples	Explanation
Add Zero	$3 + 0$	The answer is the same number.
Add One	$2 + 1$	The answer is the next number.
Add within 5	$3 + 2$	Count on from the big number.
Subtract Zero	$3 - 0$	The answer is the same number.
Subtract One	$2 - 1$	The answer is the number before.
Subtract Number from Itself	$2 - 2$	The answer is 0.
Subtract within 5	$4 - 2$	Use related addition facts ( $2 + 2 = 4$ ).

*Please do not hesitate to reach out to your building's math coach with any questions:*

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