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## **Parent and Guardian Math Resources: First Grade**

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What do First Graders need to know?

What does this look/sound like?

How can I support my child at home?

# Parent and Guardian Math Resources: First

The Arizona Mathematics Standards define the knowledge, understanding, and skills that need to be taught and learned so all students are ready to succeed in credit-bearing, college-entry courses, and/or in the workplace. The Arizona Mathematics Standards are the foundation to guide the construction and evaluation of mathematics programs in Arizona K-12 schools and the broader Arizona community. These standards were adopted by the Arizona State Board of Education in December of 2016.

## ADDITION AND SUBTRACTION

### Solve word problems

[Video:15 – 8](#)

[Video:15 – 9](#)

Make up adding and subtracting stories with numbers less than 20. For example: “If I have 13 cookies and I eat 4 of them, how many cookies will I have left?” or “Mary had 8 apples and her friend gave her 5 more apples. How many apples does Mary have now?”.

### Add and subtract using strategies for numbers up to 100

[Video:39 + 12](#)

[Video:6 + 7 + 4](#)

Add and subtract the price of two or more items at a store (whole numbers only). Ask your child to show you all the strategies they know to add and subtract numbers. They may use drawings, objects or strategies as shown in the videos.

### Fluently add and subtract within 10

[Video: Coming Soon](#)

It is important to know that children in 1st grade are not expected to be fluent (flexible, accurate and efficient) with all their 10 facts until the end of first grade. Much of the year will be devoted to understanding how numbers can be broken apart and put back together. Your child will also utilize different strategies to add and subtract over the course of the school year. One useful strategy is

using doubles, this is not only knowing their double facts but also knowing  $4 + 3$  is the same as  $3 + 3 + 1$ . Ask your child about other strategies they are using in class. While driving in the car, ask your child to mentally add or subtract two numbers such as “How much is  $6 + 4$ ? or  $10 - 3$ ?” The use of strategies will assist your child in mentally solving these types of problems. Practice with all numbers within 10.

## **Understand the equal sign**

### **[Video: Understanding equality](#)**

Write this equation,  $5 + 7 = 6 + 6$  and ask your child if it is true. Then ask them how they know it is true. Practice this with different numbers.