

# Grade 2 » Operations & Algebraic Thinking

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## Standards in this domain:

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[CCSS.MATH.CONTENT.2.OA.A.1](#)

[CCSS.MATH.CONTENT.2.OA.B.2](#)

[CCSS.MATH.CONTENT.2.OA.C.3](#)

[CCSS.MATH.CONTENT.2.OA.C.4](#)

### **Represent and solve problems involving addition and subtraction.**

[CCSS.MATH.CONTENT.2.OA.A.1 \(HTTP://WWW.CORESTANDARDS.ORG/MATH/CONTENT/2/OA/A/1/\)](http://www.corestandards.org/math/content/2/OA/A/1/)

Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.<sup>1</sup>

### **Add and subtract within 20.**

[CCSS.MATH.CONTENT.2.OA.B.2 \(HTTP://WWW.CORESTANDARDS.ORG/MATH/CONTENT/2/OA/B/2/\)](http://www.corestandards.org/math/content/2/OA/B/2/)

Fluently add and subtract within 20 using mental strategies.<sup>2</sup> By end of Grade 2, know from memory all sums of two one-digit numbers.

### **Work with equal groups of objects to gain foundations for multiplication.**

[CCSS.MATH.CONTENT.2.OA.C.3 \(HTTP://WWW.CORESTANDARDS.ORG/MATH/CONTENT/2/OA/C/3/\)](http://www.corestandards.org/math/content/2/OA/C/3/)

Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.

[CCSS.MATH.CONTENT.2.OA.C.4 \(HTTP://WWW.CORESTANDARDS.ORG/MATH/CONTENT/2/OA/C/4/\)](http://www.corestandards.org/math/content/2/OA/C/4/)

Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

<sup>1</sup> See Glossary, Table 1.

<sup>2</sup> See standard 1.OA.6 for a list of mental strategies.