

# SD 38 K-12 Mathematics & Numeracy

## Grades 2&3: Week Two

**Big Idea:** Computational fluency develops from a strong sense of number.

**Curricular Content:** developing fluency with addition and subtraction facts to 20 and application of these facts when adding and subtracting larger numbers

**Curricular Competencies:** develop mental math strategies and abilities to make sense of quantities, communicate mathematical thinking in many ways, represent mathematical ideas in concrete, pictorial, and symbolic forms

**Core Competencies focus:** Communication

Teachers and Families: The following are five problems/tasks to choose from for this week, based on the above curricular areas of focus.

Choose a number: 12, 20, 50, 100

What different ways can you make this number?

Consider using words, symbols, tallies, dots, equations, etc as you think about composing the quantity (4 and 4 and 2 make 10) or using addition or subtraction.

Choose a question:  $9+6$ ,  $29+6$ ,  $49+16$ ,  $349+26$

How does thinking about 10 help you think about ways to add these two numbers?

Draw ten frames to think about ways to make tens.

For example,  $8+5$  can be added by decomposing 5 into 2 and 3 so you can add the 2 to the 8 to make a 10. And then add the 3 to make 13.

How will you show your thinking?

Choose a question:  $8+7$ ,  $9+8$ ,  $28+17$ ,  $259+18$ ,  $488+357$

What different strategies can you use to add these numbers together?

How can you show or record how you figured out the answer?

Choose a question:  $12-3$ ,  $16-7$ ,  $22-3$ ,  $91-13$ ,  $471-83$

What different strategies can you use to subtract or find the difference between these numbers?

How can you show or record how you figured out the answer?

**Numeracy Task:**

When might you need to add two numbers or amounts together when you are doing things at home? Draw or write a story about this.