

Lesson 19.5

Enrichment and Review (Optional)

	Purpose	Materials
Warm-up	<ul style="list-style-type: none"> Count backward from 200 to 100 by 1s, 2s, 5s, or 10s Review memory work Review your child's favorite or most challenging activities from Week 19 	<ul style="list-style-type: none"> Varies, depending on the activities you choose
Picture Book	<ul style="list-style-type: none"> Learn about the life of a famous mathematician and the kinds of questions that mathematicians study 	<ul style="list-style-type: none"> <i>Nothing Stopped Sophie: The Story of Unshakable Mathematician Sophie Germain</i>, written by Cheryl Bardoe and illustrated by Barbara McClintock
Enrichment Activity	<ul style="list-style-type: none"> Practice mental arithmetic with a guess-my-number trick 	<ul style="list-style-type: none"> None

Warm-up: Counting, Memory Work, and Review

- Have your child count backward from 200 to 100 by 1s, 2s, 5s, or 10s. (Choose whichever counting sequence your child needs to practice the most.)
- Quiz your child on the memory work through Week 18. See page 523 for the full list.
- If you have time, repeat one or two of the activities from this week's lessons. Choose activities your child especially enjoyed or found challenging.

Math Picture Book: *Nothing Stopped Sophie: The Story of Unshakable Mathematician Sophie Germain*

Read *Nothing Stopped Sophie: The Story of Unshakable Mathematician Sophie Germain*, written by Cheryl Bardoe and illustrated by Barbara McClintock. After you read, look at the equations on the endpapers with your child to show her some of the many different equations that mathematicians solve.

Enrichment Activity: Learn a Guess-My-Number Trick

I have a guess-my-number trick to show you today! Have your child secretly choose a number between 0 and 25 and write the number on a piece of paper. Give your child the following instructions (in order). After each instruction, have your child secretly write down her response.

- Choose a number greater than 0 and less than 25.** *Sample response: Child chooses 13.*
- Double your number.** *Sample: Double 13 is 26.*
- Add 20 to your new number.** *Sample: $26 + 20 = 46$.*
- Subtract 6 from your new number.** *Sample: $46 - 6 = 40$.*
- Find half of your new number.** *Sample: Half of 40 is 20.*
- Add 4 to your new number.** *Sample: $20 + 4 = 24$.*
- Tell me this number.** *Sample: 24.*

Subtract 11 from your child's final number to find her secret number. For example, if her final number is 24, subtract 11 from 24 to find that her secret number is 13. **Your secret number is 13!**

Repeat with several other secret numbers. Then, reverse roles: choose your own secret number, and have your child read the directions to you. Have her subtract 11 from your final result to find your secret number.