

Eureka Math and Things You Can Do at Home

Grade K

Module 1

- Have your child practice counting groups of objects in his/her environment
- In addition to counting, students can practice writing the numerals 0 – 10
- Practice decomposing numbers, e.g. talk about how 5 is made up of a group of 2 and a group of 3

Module 2

- Help your child look for and describe shapes in common objects
- Discuss what types of 2D shapes you can identify “inside of” 3D shapes
- Continue to review and practice counting numbers up to 10

Module 3

- Begin asking more than/less than questions about groups of objects (up to 10) around the house
- Encourage measurement activities of all types
- Continue to review and practice counting numbers up to 10

Module 4

- Continue to compare groups of objects up to 10, asking more-than and less-than questions
- Give your child some Cheerios (or similar) and ask him/her to show how many more are needed to make 10
- Review and practice counting numbers up to 30, or as high as possible

Module 5

- Review and practice counting numbers up to 100, or as high as possible
- Talk about the numbers 11-19 with your child as “10 ones and ___ ones”
- Practice counting by ten in two ways: “ten, twenty, thirty” and “1 ten, 2 tens, 3 tens”

Module 6

- Continue to review and practice counting numbers up to 100 or as high as possible
- Ask your child to use position words to describe locations relative to each other, e.g., “That pen is beside the glass of water on the table.”

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Grade 1

Module 1

- Practice “counting on” as a strategy for addition, e.g. If you have 7 LEGO pieces, and then you get 3 more, encourage your child to start with the number 7 and count “8...9...10” to find the total.
- Discuss various ways to take apart a given number, e.g. 6 is made of 1 and 5, 2 and 4, 3 and 3, etc.

Module 2

- Continue to practice finding partners for any given number, e.g., How can we make 8? 10?
- Talk about how we can find “tens’ in other, larger numbers
- Make up and discuss short story problems that involve simple addition and subtraction

Module 3

- Give your child many opportunities to measure objects using other, smaller objects, e.g., “How many Lego pieces long is your book? How many blueberries long is this notebook?” etc.
- Continue to practice adding and subtracting within 20

Module 4

- Continue to practice counting up to 40 and beyond
- Continue to ask your child to compare two different quantities, using the language “greater than” and “less than”
- Begin to ask questions such as “What does the 2 represent in the number 29?”

Module 5

- Play “I Spy” to search for shapes in your home
- Continue to practice counting up to 40 and beyond

Module 6

- Using loose change around the house, invite your child to count and compare the coins
- Continue to practice 10 more/10 less questions, e.g., “What is 10 less than 40?” “What is 10 more than 52?”
- Ask your child to compare and find the difference between two quantities, and note the strategy used

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Grade 2

Module 1

- Review with your child all the ways to make 10; children will need to have these memorized
- Practice “10 plus” problems, such as $10 + 9$, $20 + 8$, $40 + 6$, $70 + 7$, and so on, so that your child becomes very adept at doing them mentally and quickly

Module 2

- Ask questions that encourage your child to estimate lengths of household items
- Continue to review adding and subtracting up to 20
- Practice measuring lengths longer than a ruler by marking and measuring from a mark

Module 3

- Ask how many ones, tens, and hundreds are in numbers that you and your child come across
- Continue to review addition and subtraction skills
- Help your child to compare numbers by asking questions about more than, less than, and “equal”

Module 4

- Continue to ask how many ones, tens, and hundreds are in numbers that you and your child come across
- When possible, encourage your child to explain their mathematical thinking by drawing a diagram or picture that links to their addition and subtraction problems

Module 5

- Help your child practice counting both backward and forward by 10s and 100s
- Given any two-or-three-digit number, help your child practice finding 10 more or 10 less, and/or 100 more or 100 less than the number

Module 6

- Using any number of small objects, challenge your child to sort them into equal groups
- Practice skip-counting by 2s. This will help as students work with odd and even numbers in this module

Module 7

- Draw representations of coins and ask your child to count them
- Once students have learned a few ways of representing data, find something around the house you can make a line or bar graph about, e.g., types of stuffed animals, colors of Lego pieces, etc.

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Grade 2 (Continued)

Module 8

- It's time to practice telling time! Using an analog clock, help your student practice telling time to the nearest 5 minutes
- When drawing simple shapes, have your child practice dividing them into halves, thirds, and fourths (emphasizing equal-sized pieces)