

FAMILY MATH

Conceptual Understanding of Division

Dear Family,

Your student is exploring how multiplication connects to division. They represent real-world division situations with equal-groups models, arrays, and equations using the division symbol. Sometimes the total and the *number of groups* are known, and sometimes the total and the *number in each group* are known.

Key Terms and Symbols

divide

division

division symbol $\div$

Share 10 crackers.



2 equal groups of
5 crackers

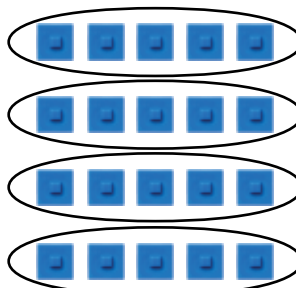


5 equal groups of
2 crackers

Mia puts **10** pencils into equal groups. She puts **2** pencils in each group. How many equal groups of pencils are there?



There are 5 equal groups.



20	$\div$	5	=	4
total		number		number
		in each		of rows
		row		

At-Home Activity

Everyday Division

Look for opportunities to practice division situations at home.

- While making snacks, invite your student to help share the food equally among those sharing the snack. For example, ask, “If we have 15 apple slices to share equally among 3 people, how many apple slices will each person get?”
- While playing with toy cars or building blocks, invite your student to make an array with the objects to match a division equation. For example, write $15 \div 3 = 5$. Together with your student, arrange 15 blocks into an array with 3 rows. Then have them explain where they see each part of the division equation in the array.