FAMILY MATH Division of Decimal Numbers

Dear Family,

Your student is learning to divide decimal numbers by using methods that are familiar from whole-number division. Students divide decimal numbers by one-digit whole numbers; by multiples of 10, 100, or 1,000; by two-digit whole numbers; and by other decimal numbers. By renaming decimal numbers as fractions, students connect division with decimal numbers to division with fractions. Your student sees division expressions as equal groups (e.g., 3 groups of 4 tenths make 12 tenths) and parts of a whole (e.g., 5 tenths is $\frac{1}{100}$ of 50). Students use their experience dividing whole numbers to select the most efficient strategy and determine the reasonableness of their answers, with a focus on the placement of the decimal point in the quotient.



At-Home Activity

Find the Cost

Turn daily situations into questions to help your student practice dividing with decimal numbers.

- "A box of crackers costs \$3.75. What is the cost per serving if there are 10 servings in the box?" $(3.75\div10)$
- "A gym membership costs \$39.50 per month. What is the cost per day if there are 30 days in the month?" $(39.50 \div 30)$ "What is the cost per visit if you visit the gym 15 times in the month?" $(39.50 \div 15)$