

## Grade 4 Mathematics Unit Preview

### Quarter 2: Number Relationships and Computation (Division)

Objectives: (Your student will be able to)

- **Use divisibility rules to determine if numbers are divisible by 2, 3, 5, and 10.** For example, a number is divisible by another number if the remainder is zero when you divide ( $10 \div 5 = 2$ ,  $300 \div 5 = 60$ ).
- **Divide a two or three-digit number by a one-digit divisor with remainders.** For example,  $345 \div 6 = 57$  remainder 3.
- **Interpret the remainder for a given situation.** For example, John is having a dinner party and invited 14 people. There will be 4 people at each table. How many tables will John need to set up ( $14 \div 4$ )? John will need to set up 4 tables because  $14 \div 4 = 3$  remainder 2. The two remaining people will need a place to sit.
- **Represent the remainder in a quotient as a fraction.** For example,  $345 \div 6 = 57$  remainder 3 or  $57\frac{3}{6}$ .

Vocabulary: (Words your student will need to understand)

• <b>Dividend:</b> a number to be divided	• <b>Divisor:</b> The number that divides the dividend ( $18 \div 3 = 6$ three is the divisor).
• <b>Quotient:</b> the result of division	• <b>Remainder:</b> The amount left over when a number cannot be divided equally.

Activities to do with your student (in addition to homework, optional):

- Bake cookies or muffins and share them evenly among family members.
- Roll or create numbers and decide if they are divisible by 2, 3, or 5. Numbers can have two or three digits.
- Draw an array and give the multiplication and division fact that describes it.
- Write a story for a division problem.
- Roll numbers to make a division problem. Solve the division problem
- Practice basic division facts by playing a game.

