

Grade 2 Mathematics Unit Preview

Quarter 1: Number Relationships and Computation (Place Value)

Objectives: (Your student will be able to)

- **Read, write, and show whole numbers.** For example, 134 can be shown as

1 hundred3 tens4 ones
- **Identify place value and state the value of each digit.** For example, in 456, the place value of the underlined digit is the tens place, the value is 5 tens.
- **State the number that comes before and after a given number.**
- **Represent numerals on a number line.**
- **Identify numbers as odd or even.**
- **Show a number in a different way (decompose numbers).** For example, 37 can be shown as 3 tens, 7 ones -or- 2 tens, 17 ones -or- 1 ten, 27 ones -or- 0 tens 37 ones.
- **Express numbers in expanded form.** For example, $456 = 400 + 50 + 6$.
- **Compare and order numbers (using $<$, $>$, $=$).** For example, $27 < 56$.
- **Estimate quantities up to 100.**

Vocabulary: (Words your student will need to understand)

<ul style="list-style-type: none"> • Digit: Any one of the ten symbols 0, 1, 2, 3, 4, 5, 6, 7, 8, or 9 used to write numbers. 	<ul style="list-style-type: none"> • Decompose: To break a number into smaller parts to simplify computation. Example: $15 = 10 + 5$.
<ul style="list-style-type: none"> • Compare: Tell how a number relates to another number ($>$, $<$, $=$) 	<ul style="list-style-type: none"> • Expanded form: Writing a number by showing the sum of the values of each digit in 432, $400 + 30 + 2$
<ul style="list-style-type: none"> • Even Number: A number that has 0, 2, 4, 6, or 8 in the ones place. 	<ul style="list-style-type: none"> • Odd Number: A number that has 1, 3, 5, 7, or 9 in the ones place.
<ul style="list-style-type: none"> • Estimate: To find out about how many or how much. 	<ul style="list-style-type: none"> • Anchor: Numbers that help you estimate the number of objects without counting them, such as 10, 25, 50, 100.
<ul style="list-style-type: none"> • Greater than ($>$): A symbol used to compare two numbers, $25 > 18$, 25 is greater than 18 	<ul style="list-style-type: none"> • Less than ($<$): A symbol used to compare two numbers, $18 < 25$, 18 is less than 25

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

- Roll dice to make numbers.
- Make numbers or find numbers on labels and compare them.
- Find or roll numbers and write them in expanded form.
- Make numbers and tell which place value (and/or value) each digit represents.
- Draw pictures of numbers.
- Collect objects, count them, and write the numbers in expanded form/compare them with other counted objects, etc.
- Estimate the number of objects in a container.
- Practice basic facts for addition and subtraction.

