DIAGNOSTIC PRE-ASSESSMENT A

Use this Diagnostic Pre-Assessment to identify students who require intervention in this area:

Number & Operations in Base Ten

Standards Plus®

COMMON CORE INTERVENTION

Grade **5** A

After analyzing the pre-assessment data, you can implement your intervention program with our ready-to-teach Standards Plus Common Core Intervention Materials.

MATHEMATICS GRADE 5

Diagnostic Pre-Assessment

Administering the Diagnostic Pre-Assessment:

- Determine if all or a subgroup of your students will be assessed.

- Print the appropriate number of student assessments.

- Distribute the assessments and review the directions with the students.

- Have students complete the assessment independently.

- Collect and score the assessments.

- Students who perform at 75% or lower will benefit from intervention instruction for the topic.

See the next page for the Diagnostic Pre-Assessment procedure and answer key.

Procedure: Each intervention assessment is designed to be completed independently by the students. Read the directions aloud, and ensure that students understand how to mark their answer choices. Collect the assessments and use the answer key to correct.

<u>Domain</u>: Number & Operations in Base Ten   <u>Focus</u>: Represent Whole Numbers & Decimals   **Pre-Assessment: #A1**

Answers:

1. 900 or 9 hundreds
2. 105,702
3. 3 hundredths
4. B
5. <
6. 0.75, 1.25
7. 14,000
8. I look at the number in the hundreds place. It is a two. Since two is less than five, I round down to 14,000 instead of up to 15,000.

<u>Domain</u>: Number & Operations in Base Ten   <u>Focus</u>: Multiply & Divide Whole Numbers   **Pre-Assessment: #A2**

Answers:

1. 20
2. 7
3. 448
4. 6 R 3; parts of the problem: quotient 6 R 3; divisor 4; dividend 27
5. Rick will count 520 cars in 5 days.
6. 36 R 4
7. 38,525
8. Each student will have 4 pieces of pizza.
9. To find how many pieces each student will get, I divided 324 by 81, so each student will get 4 pieces of pizza.

> **Procedure:** Each intervention assessment is designed to be completed independently by the students. Read the directions aloud, and ensure that students understand how to mark their answer choices. Collect the assessments and use the answer key to correct.

Domain: Number & Operations in Base Ten   Focus: Decimal Operations   **Pre-Assessment:** #A3

Answers:

1. 527.5
2. 4680.08
3. 155.72
4. .061
5. $90.48
6. Because I had the cost for each pie, and I knew how many pies Marcus bought, I knew I had to multiply how much the pies cost altogether.

See the next three pages for the Diagnostic Pre-Assessments.

Name:

Pre-Assessment A1

Directions: Read each problem carefully and write your answers on the lines provided for you.

1. What **place value** does the underlined digit represent in the number below?

    231,9<u>7</u>6   _____

2. What number can also be written as **100,000 + 5,000 + 700 + 2**?

    _____

3. What is the place value of the underlined digit: **159.5<u>38</u>**?

    _____

4. Which of the following is true?

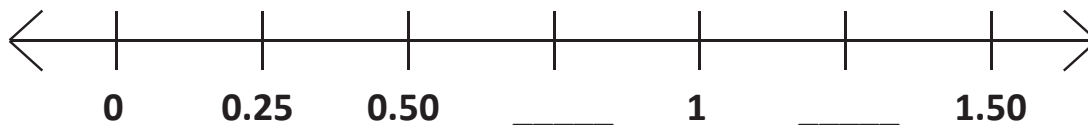   Ⓐ 678 > 723   Ⓑ 420 > 419
    Ⓒ 761 = 791   Ⓓ 543 < 534

5. What symbol makes this number comparison true?

    76.9 ____ 77.1

6. Write in the missing decimals on the blanks on the number line below.

    0   0.25   0.50   ____   1   ____   1.50

7.   Dev bought stock in a candy bar company. The stock cost $14,286. What is 14,286 rounded to the nearest thousand?
    14,286 rounds to _____

8.   Explain the process you used to round 14,286 to the nearest thousand.

    _____

    _____

    _____

Name:

Directions: Solve each problem.

1.

$$5$$
$$\times\ 4$$

2.

$$56 \div 8 =$$

3.

$$56$$
$$\times\ \ 8$$

4. Label the parts of the division problem. Solve.

$$4\overline{)27}$$

5. Rick counts the number of cars that pass the school. Each day 104 cars go by. How many cars will Rick count in 5 days?

6.

$$7\overline{)256}$$

7.

$$1{,}675$$
$$\times\ \ \ 23$$

8. There are 324 pieces of pizza for 81 to share equally. How many pieces of pizza will each student get?

9. Explain how you answered the problem in number 8 above.

_____

_____

_____

Name:

Directions: Solve each problem.

2.
$$335.7$$
$$+\ 191.8$$

3.
$$65.3$$
$$\times\ \ 2.4$$

2.
$$8{,}420.45$$
$$-\ 3{,}740.37$$

4.
$$6\overline{)\,.366}$$

5. Marcus bought pies for the family reunion. Each pie was $7.54. Marcus bought twelve pies. How much did the pies cost altogether?

6. How did you know the operation to use in number five?

_____

_____

_____

Once you have the results of the Diagnostic Pre-Assessment, providing targeted intervention instruction is easy with Standards Plus Common Core Intervention. Simply teach the topic(s) that meet your students' needs. Each topic includes scaffolded, ready-to-teach, scripted, direct instruction lessons, performance tasks, and post-assessments.

More About Standards Plus Common Core Intervention

What is Standards Plus CC Intervention?
Standards Plus CC Intervention is a set of research-based, scaffolded 1-8 language arts and math lessons written to the Common Core Standards. These explicit, direct instruction lessons were designed to build the essential prerequisite elements of the grade level standards.
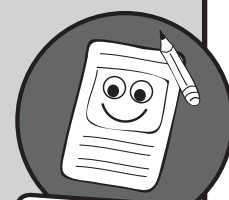
Benefits:
- Ready-to-teach lessons and performance tasks with very little teacher preparation.
- Instruction is scaffolded and provides exposure to the standards at DOK levels 1-3.
- Grade level content vocabulary is taught within the context of the lessons.
- Prepares students for grade level success.
- Ideal for:
  - Small group instruction
  - After school programs
  - Special Ed. settings to meet IEP goals
  - Summer school programs

Standards Plus Common Core Intervention Instructional Components
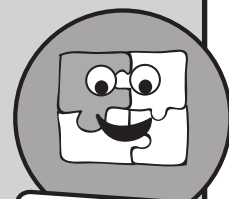
**Step-by-Step
Direct Instruction Lessons:**
These ready-to-teach lessons are organized by topic to develop prerequisite skills and concepts while scaffolding to grade-level appropriate activities. These lessons are written to DOK levels 1 and 2.

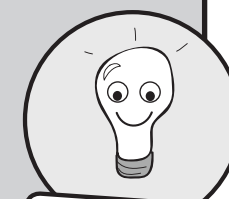Step-by-Step Lessons

Performance Tasks:
Within each topic, students have the opportunity to participate in a Performance Task to apply what they have learned in a unique setting and cement their learning. These lessons are written to DOK levels 1 and 2.

Performance Tasks

Post-Assessments:
Parallel to the Diagnostic Pre-Assessments, these assessments provide data directly related to the instruction provided.

Post-Assessments
(Parallel to Diagnostic)

Standards Plus®
COMMON CORE INTERVENTION

Grade	ELA Topic A	ELA Topic B	ELA Topic C	ELA Topic D
1	Reading Literature and Writing	Reading Informational Text	Reading Foundational Skills, Capitalization, and Punctuation	Spelling, Grammar & Usage, and Vocabulary
2	Reading Literature and Writing	Reading Informational Text	Reading Foundational Skills, Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
3	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
4	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
5	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
6	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
7	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, and Spelling	Grammar & Usage and Vocabulary
8	Reading Literature and Writing	Reading Informational Text	Capitalization, Punctuation, Spelling, and Grammar & Usage	Vocabulary

Grade	Math Topic A	Math Topic B	Math Topic C	Math Topic D
1	Operations & Algebraic Thinking	Number & Operations in Base Ten	Measurement & Data	Geometry
2	Operations & Algebraic Thinking	Number & Operations in Base Ten	Measurement & Data	Geometry
3	Operations & Algebraic Thinking	Number & Operations – Fractions	Number & Operations in Base Ten and Geometry	Measurement & Data
4	Operations & Algebraic Thinking	Number & Operations – Fractions	Number & Operations in Base Ten and Geometry	Measurement & Data
5	Number & Operations in Base Ten	Number & Operations – Fractions	Measurement & Data	Operations & Algebraic Thinking
6	The Number System	Ratios & Proportional Relationships	Expressions & Equations	Geometry and Statistics & Probability
7	Ratios & Proportional Relationships and The Number System	Expressions & Equations	Statistics & Probability	Geometry
8	The Number System and Expressions & Equations	Functions	Statistics & Probability	Geometry

To learn more, please contact 1.877.505.9152