

# Grade 5 Smarter Balanced Assessment Item Specifications Fact Sheet

**Claim 1 - Target D:** Perform operations with multi-digit whole numbers and with decimals to hundredths.

**Content Domain:** Numbers and Operations in Base Ten

**Claim 1 Priority Cluster**

## Standards Assessed in Target D:

**5.NBT.5:** Fluently multiply multi-digit whole numbers using the standard algorithm.

**5.NBT.6:** Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

**5.NBT.7:** Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

## Achievement Level Descriptors

<b>Level 1</b>	Students should be able to multiply one- and two-digit whole numbers and find whole-number quotients of whole numbers with up to three-digit dividends and one-digit divisors, using arrays or area models. They should be able to perform the four operations on decimals to the tenths and a whole number, e.g., $1.3 \times 7$ .
<b>Level 2</b>	Students should be able to multiply three- and four-digit whole numbers; find whole-number quotients of whole numbers with up to three-digit dividends and two-digit divisors; and perform the four operations on decimals to the tenths or on decimals to the hundredths and a whole number, e.g., $3.42 \times 12$ .
<b>Level 3</b>	Students should be able to fluently multiply multi-digit whole numbers using the standard algorithm, find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, and perform the four operations on decimals to the hundredths. They should be able to relate the strategy to a written method and explain the reasoning used.
<b>Level 4</b>	No Descriptor.

## Construct-Relevant Vocabulary

area model, array, dividend, divisor, equation, factor, product, quotient, remainder

## Allowable Stimulus Materials

base-10 array model, equations