

**Content Standard A3
Fifth Grade Level
Estimation and Computation**

State Mathematics Performance Standards 3 rd -5 th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
<p>M3.2.1 Describe and use a variety of estimation strategies including round to the appropriate place value, multiplying by powers of 10, and using front-end estimation to check the reasonableness of solutions.</p> <p>M3.2.2 Recall and use basic multiplication and division facts orally, with paper and pencil without a calculator.</p> <p>M3.2.3 Add and subtract whole numbers and fractions with common denominators to 12 and decimals, including money amounts, using models and algorithms.</p> <p>M3.2.4 Multiply and divide multi-digit whole numbers by 2-digit numbers, limiting the 2-digit divisors to those that end in 0; multiply and divide decimals that represent money by whole numbers.</p> <p>M3.2.5 Find equivalent fractions. Convert between fractions and mixed numbers.</p>	<p>1.1 Use estimation strategies (eg., rounding to appropriate place value, multiplying by powers of ten, using front-end estimation from tenths to 100,000,000 including money,) to check reasonableness of solution</p> <p>2.1 Recall and use basic multiplication and division facts: orally, in timed test, and as missing factors</p> <p>3.1 Add and subtract fractions with like denominators to 12, decimals involving money, and four-digit whole numbers</p> <p>4.1 Multiply multi-digit whole numbers by 2-digit numbers, or divide three-digit whole numbers by single-digit numbers</p> <p>5.1 Find equivalent fractions. Convert between fractions and mixed numbers</p>	<p><u>Estimation and Computation: Estimation</u> The student determines reasonable answers to real-life situations, paper/pencil computations, or calculator results by</p> <p>[5] E&C-1 using [a variety of L] strategies (e.g., rounding to appropriate place value, multiplying by powers of ten, using front-end estimation to estimate the results of addition or subtraction computations from tenths to 100,000, including money, or simple multiplication or division (M3.2.1)</p> <p><u>Estimation and Computation: Computation</u> The student accurately solves problems (including real-world situations) involving</p> <p>[5] E&C-2 [recalling basic multiplication facts, products to 144, and corresponding division facts efficiently L] (M3.2.2)</p> <p>[5] E&C-3 adding or subtracting four-digit whole numbers, fractions with like denominators to 12, or decimals involving money (M3.2.3)</p> <p>[5] E&C-4 multiplying two-digit whole numbers by two-digit numbers or dividing three-digit whole numbers by single-digit numbers (M3.2.4)</p>

**Content Standard A3
Fifth Grade Level
Estimation and Computation**

State Mathematics Performance Standards 3rd-5th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
<p>M3.2.6 Develop and interpret scales and scale models.</p>	<p>6.1 Develop and interpret scales and scale models</p>	