

Fourth Grade

Math Outcomes and Components

OUTCOME 1: The students will write, read, and define whole numbers in a variety of forms. They will order and compare numbers to one million. [4.1.1=1012, 1021, 1077, 1078, 1079, 1115, 1141, 1145, 1721, 1722, 1727, 5806, 5807] [4.1.2=1148, 1160, 1731, 2467, 2485, 2486, 4938] [4.1.3=1737] [4.6.2=1060, 1072, 1470, 1840, 1841, 1843, 2501, 2795, 2796, 2798, 2802, 2832,]

1. Orally read whole numbers to millions in standard form.
2. Identify whole numbers to millions in standard form.
3. Read, write, and identify whole numbers to millions in written form.
4. Identify, read and write numbers to millions in standard and written form.
5. Use expanded form of whole numbers to show millions.
6. Identify different names for numbers through millions in standard form, word form, and expanded form.
7. Order numbers from least to greatest as well as greatest to least.
8. Compare numbers to one millions using symbols $<$, $>$, $=$.

OUTCOME 2: The students will estimate and solve addition and subtraction of whole numbers to ten thousand with and without calculators, and apply the process to word problems. [4.1.4=4943, 4944] [4.2.1=1104, 1127, 4951] [4.2.2=1043] [4.6.1=953, 956, 1006, 1007, 1074, 1075, 2481, 2521]

1. Estimate sums and differences by determining if the answer is reasonable.
2. Add numbers to ten thousand with and without regrouping.
3. Subtract numbers to ten thousand with and without regrouping.
4. Add and subtract numbers to ten thousand using a calculator.
5. Utilize estimation, adding and subtracting to solve word problems.

OUTCOME 3: Students will estimate solve multiplication facts to 12. Students will multiply two and three digit multiplication problems using one and two place multipliers with and without calculators. Students will apply the process to word problems. [4.1.3=1066] [4.2.1=1762] [4.6.1=1833, 1834, 1838, 2469] [4.6.2=1839, 1844, 5824]

1. Memorize multiplication facts 11 and 12.
2. Estimate products and quotients and determining if the answer is reasonable.
3. Compute two and three digit multiplication problems with and without regrouping with one-digit multipliers.
4. Compute two and three digit multiplication problems with and without regrouping with a two-digit multiplier.
5. Multiply two and three digit multiplication problems using a calculator.
6. Utilize estimation and multiplication to solve word problems.