

Addition, Subtraction, Multiplication Facts and Place Value

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Purpose: To provide independent practice and ongoing review/development of computation and problem solving skills.

Management Tips:

- Ask students to create new learning choice boards using the problems submitted by fellow students as extension projects. Require students to use a table with objectives for each column and objectives for each row, so that each problem must meet the objective for both the vertical and the horizontal rows. Challenge students to think very critically about each problem that is selected and why it is a good fit for the objectives. Require students to create an answer sheet so that when other students are using their learning choice board will be able to self-correct their work.
- Offer the learning choice boards made by students as review assignments to support students who are struggling.
- Assign students to do the rows and columns of learning choice boards for extra practice in areas of weakness following a test.
- Use errors from student work for “find the error” column. Invite students to check homework in small groups and record common errors on index cards, and then use the collect problems for learning choice boards.

Sample Common Core Standards Addressed:

Standards for Mathematical Practice K -12

- 1 Make sense of problems and persevere in solving them.
- 4 Model with mathematics.
- 5 Use appropriate tools strategically.
- 6 Attend to precision.

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Directions: Complete three squares in a row to make a Tic-Tac-Toe.

	Computation		Word Problem	Create Your Own Problem
Addition with Regrouping	$\begin{array}{r} 469 \\ + 187 \\ \hline \end{array}$	$\begin{array}{r} 1,753 \\ + 5,638 \\ \hline \end{array}$	Kendra was playing a computer game where the players could travel around the world. The first game she traveled 413 miles. The second game she traveled 218 miles. The third game she traveled 674 miles. How many miles did she travel over the course of the three games?	Create a story problem where at least two numbers are added with regrouping in the solution. Write out both your problem and the solution.
	$\begin{array}{r} 878.69 \\ + 692.12 \\ \hline \end{array}$	$\begin{array}{r} 1,817.50 \\ + 1,895.75 \\ \hline \end{array}$		
Subtraction with Regrouping	$\begin{array}{r} 534 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 402 \\ - 3 \\ \hline \end{array}$	Brian wanted a computer for \$475.00 and a printer for \$360.00. In order to buy the computer, Brian worked for three months. In April he earned \$175.00, in May, \$239.00, and in June, \$420.00. Did he earn enough money to purchase the computer? How much more money does he need to earn or how much change would he receive back?	Create a story problem where at least two numbers are subtracted with regrouping in the solution. Write out both your problem and the solution.
	$\begin{array}{r} 360 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 748 \\ - 559 \\ \hline \end{array}$		
Multiplication with Regrouping	$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ \times 5 \\ \hline \end{array}$	Jesse spends 45 minutes everyday practicing his keyboarding skills. If he practices everyday for one week then how many minutes did he practice? How many more minutes would he practice if he practices everyday for three weeks?	Create a story problem where at least two numbers are multiplied with regrouping in the solution. Write out both your problem and the solution.
	$\begin{array}{r} 23 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ \times 64 \\ \hline \end{array}$		