

**MATH SKILLS ASSESSMENT COMPETENCY LOG**  
**SECONDARY - BOX ELDER SCHOOL DISTRICT**

Name \_\_\_\_\_

		Mastery shown by teacher signature, school and date			
<b>ADDITION</b>					
1) Addition Facts Diagnostics Sheets	3 <u>+ 4</u>				
2) Addition w/o regrouping	42 <u>+ 23</u>				
3) Addition w/regrouping	528 <u>+ 146</u>				
4) Addition with more than 2 addends	74 29 <u>+ 63</u>				
5) Adding Decimals	69.78 <u>+ 56.95</u>				
6) Story Problem - Addition					
<b>SUBTRACTION</b>					
1) Subtraction Facts Diagnostic Sheets	13 <u>- 6</u>				
2) Subtraction w/o regrouping	58 <u>- 12</u>				
3) Subtraction w/regrouping	60,100 <u>- 34,529</u>				
4) Subtracting decimals	82.14 <u>- 19.57</u>				
5) Story Problem - Subtraction					
<b>MULTIPLICATION</b>					
1) Multiplication Facts Diagnostic Sheets	12 <u>x 11</u>				
2) Multiplication w/o regrouping	32 <u>x 2</u>				

3) Multiplication w/regrouping	$\begin{array}{r} 5096 \\ \times 6 \\ \hline \end{array}$								
4) Multiplication by powers of 10	$\begin{array}{r} 764 \\ \times 100 \\ \hline \end{array}$								
5) Multiplication w/regrouping	$\begin{array}{r} 755 \\ \times 526 \\ \hline \end{array}$								
6) Multiplying decimals	$\begin{array}{r} 68.5 \\ \times 5.37 \\ \hline \end{array}$								
7) Story Problem - Multiplication									
<b>DIVISION</b>									
1) Division Facts Diagnostic Sheets	$9 \overline{)36}$								
2) Division w/o regrouping	$2 \overline{)86}$								
3) Division w/remainders	$5 \overline{)593}$								
4) Division w/2 digit divisors	$74 \overline{)95634}$								
5) Dividing decimals	$.38 \overline{)28.12}$								
6) Story Problem - Division									
<b>FRACTIONS</b>									
1) Shade a fraction	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 25px; height: 20px;"></td><td style="width: 25px; height: 20px;"></td><td style="width: 25px; height: 20px;"></td><td style="width: 25px; height: 20px;"></td></tr></table>								
2) Rewrite in lowest terms	$6/9$								

3) Adding fractions w/like denominators	$\begin{array}{r} \frac{4}{9} \\ + \frac{1}{9} \\ \hline \end{array}$				
4) Adding fractions w/unlike denominators	$\begin{array}{r} \frac{2}{3} \\ + 1 \\ \hline \end{array}$				
5) Subtracting fractions w/like denominators	$\begin{array}{r} \frac{8}{9} \\ - \frac{3}{9} \\ \hline \end{array}$				
6) Subtracting fractions w/unlike denominators	$\begin{array}{r} \frac{7}{9} \\ - 1 \\ \hline \end{array}$				
7) Rewriting mixed numbers as improper fractions	2 2/3				
8) Rewriting improper fractions as a mixed number	$\frac{10}{3}$				
9) Determine the fraction of a number	$\frac{3}{4}$ of 24				
10) Multiply fractions	$\frac{5}{8} \times \frac{4}{3}$				
11) Adding mixed numbers	$\begin{array}{r} 6 \frac{1}{2} \\ + 5 \frac{3}{4} \\ \hline \end{array}$				
12) Subtracting mixed numbers	$\begin{array}{r} 6 \frac{1}{4} \\ - 2 \frac{1}{2} \\ \hline \end{array}$				
13) Story problem - Fractions					

<b>MEASUREMENT TIME AND MONEY</b>					
1. Count money	coins				
2. Tell time	clock				
3. Read ruler - inches					
4. Story problem - money/decimals					
5. Read ruler - centimeters					
6) Maps	distance				
7) Charts	find the mean				
8) Graphs	bar graph				
<b>PERCENTS AND PROPORTIONS</b>					
1) Story problem - Percents					
2) Fraction to percent	$8/10 = \underline{\quad}\%$				
3) Decimal to percent	$.64 = \underline{\quad}\%$				
4) Percent of a number	$20\% \text{ of } 80 = \underline{\quad}$				
5) What percent of number =	$\underline{\quad}\% \text{ of } 48 = 12$				
6) Percent of what number =	$30\% \text{ of } \underline{\quad} = 18$				
7) Write as a proportion	$90 \text{ km in } 3 \text{ hr.} = x \text{ km in } 9 \text{ hr.}$				
8) Solve the proportion	$4/6 = 40/x$				