

FUNVENTUROUS MATH

Learning Math Basics



JANUARY 1, 2021

THE WALLAROOS YOUTH LEARNING AND ADVENTURES LLC
Meridian, MS, and Nashville TN

Dear Parents,

We believe the power to succeed key component in every child. We know that each child can perform greatness in all their activities. The key is how well we can cultivate that greatness in each child.

At The Wallaroos Youth Roos Youth Learning and Adventure, it is our goal to give you tools and ideas to help you cultivate that greatness in each child. Each child learns differently, however if you have a set of tools that you can pull from your toolkit then you are equipped for the task at hand.

We have tried to make our products for you in a manner that will help you bring out the best in your child and allow for you and your child to be interactive in the process.

It is our goal to make all our learning material free for download because we do genuinely believe that education and educating of our youth should be the greatest investment that we make as a society.

We close with our following belief that founded our company:

“Imagination is such a beautiful gift we can allow a child to with no limits. The process of curiosity is a natural stage of development for children. They are natural-born scientist and investigators. It is our responsibility to foster and nourish those innate skills in our kids. So, go grab those pots and pans or a box and start using those beautiful, colorful, and creative imaginations”.

Rhonda D. Brooks and Rodney D. Brooks
Authors and Co-Founders of The Wallaroos Youth Learning and Adventures LLC



Learning Mathematics

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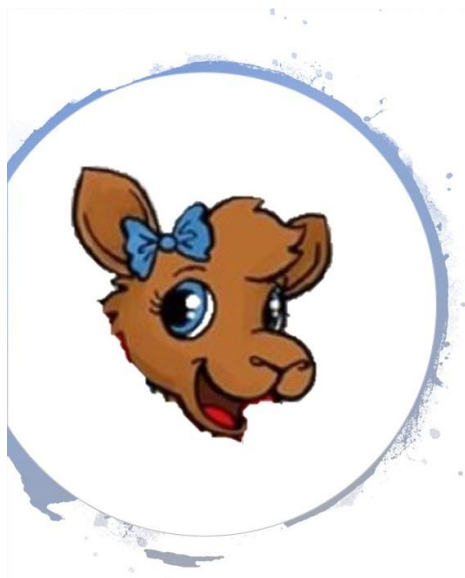
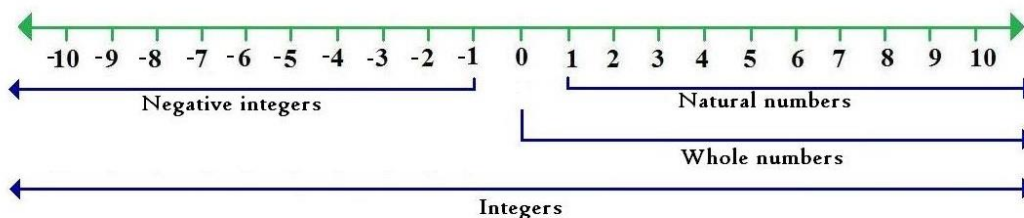
Three- and Four-Digit Addition and Subtraction Page 32 - 38

What is a number?

A number is a basic unit of mathematics. Numbers are used for **counting, measuring, and comparing** amounts. A number system is a set of symbols, or numerals, that are used to represent numbers. The most common number system uses 10 symbols called digits—0, 1, 2, 3, 4, 5, 6, 7, 8, and 9—and combinations of these digits.

Numbers can be classified in many ways. The simplest class is the natural, or counting, numbers (1, 2, 3, ...). With the addition of 0, these are known as the whole numbers.

The natural numbers are also called positive numbers because they are greater than 0. For each of the positive numbers, there is also a negative number (-1, -2, -3, ...). Negative numbers are less than 0. The natural numbers, their negative equivalents, and 0 make up the set of numbers called integers. The integers can be pictured as points on a line that continues forever in both directions.



Numbers Recap from Katie Wallaroo

- So, numbers are made up of the following symbols: 1,2,3,4,5,6,7,8,9 and 0
- These symbols or numbers help us in counting, measuring and comparing amounts
- All other number are made up of a combination of these symbols.

What is addition?

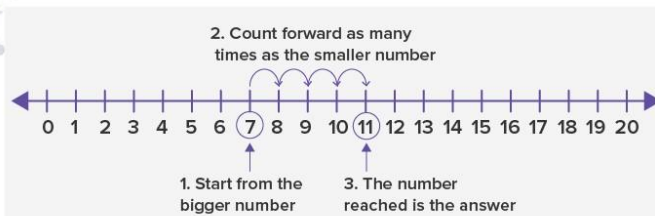
Addition is when you take two or more numbers and adding them together to get the total number. It is the sum or total of two or more numbers. If we take the number 7 and add 4 more to it, we will get the total number of 11.



Understanding Addition with Katie Wallaroo



There are 7 cookies on one side and 4 cookies on the other side. So, we add 7 and 4 to find the total number of cookies. To add 7 and 4, we can count forward 4 steps from 7. The symbol used to indicate Addition is + (plus symbol). So, 7 and 4 can be written as $7 + 4$



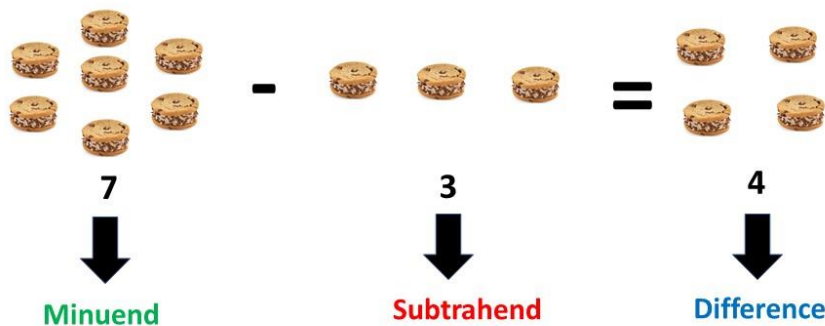
What is subtraction?

To subtract means to take away from a group or a number of things. When we subtract, the number of things in the group reduce or become less. Subtraction is just the opposite of addition. Also, every addition problem can be rewritten as a subtraction problem.

Understanding Subtraction with Karl Wallaroo

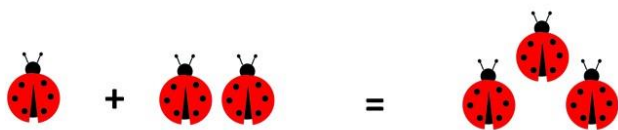
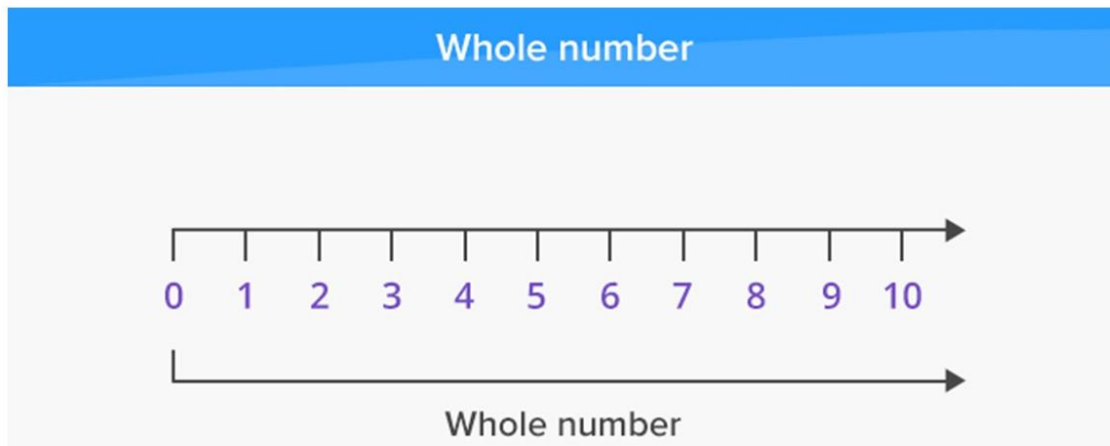


The minuend, subtrahend and difference are parts of a subtraction problem. In the subtraction problem, $7 - 3 = 4$, the number 7 is the minuend, the number 3 is the subtrahend, and the number 4 is the difference.

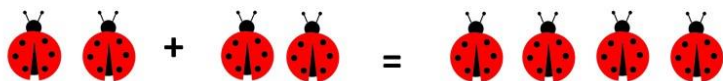


Let us Practice Addition

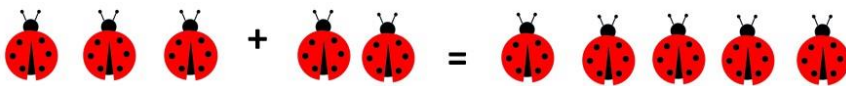
Now let us practice some addition problems you can use the whole number chart below to help you.



1 + 2 = Write Your answer in the box.

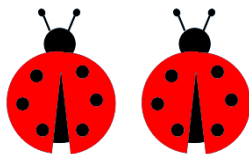


2 + 2 = Write Your answer in the box.



3 + 2 = Write Your answer in the box.

Let us Practice Addition



$1 + 0 =$

$2 + 0 =$

$1 + 1 =$

$2 + 1 =$

$1 + 2 =$

$2 + 2 =$

$1 + 3 =$

$2 + 3 =$

$1 + 4 =$

$2 + 4 =$

$1 + 5 =$

$2 + 5 =$

$1 + 6 =$

$2 + 6 =$

$1 + 7 =$

$2 + 7 =$

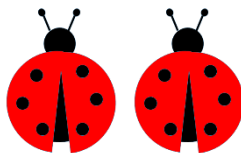
$1 + 8 =$

$2 + 8 =$

$1 + 9 =$

$2 + 9 =$

Let us Practice Addition



$3 + 0 =$

$4 + 0 =$

$3 + 1 =$

$4 + 1 =$

$3 + 2 =$

$4 + 2 =$

$3 + 3 =$

$4 + 3 =$

$3 + 4 =$

$4 + 4 =$

$3 + 5 =$

$4 + 5 =$

$3 + 6 =$

$4 + 6 =$

$3 + 7 =$

$4 + 7 =$

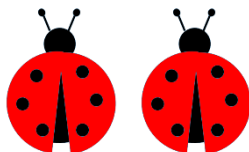
$3 + 8 =$

$4 + 8 =$

$3 + 9 =$

$4 + 9 =$

Let us Practice Addition



$5 + 0 =$

$6 + 0 =$

$5 + 1 =$

$6 + 1 =$

$5 + 2 =$

$6 + 2 =$

$5 + 3 =$

$6 + 3 =$

$5 + 4 =$

$6 + 4 =$

$5 + 5 =$

$6 + 5 =$

$5 + 6 =$

$6 + 6 =$

$6 + 7 =$

$6 + 7 =$

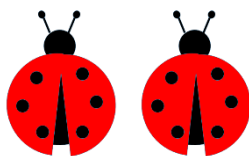
$7 + 8 =$

$6 + 8 =$

$8 + 9 =$

$6 + 9 =$

Let us Practice Addition



$7 + 0 =$

$8 + 0 =$

$7 + 1 =$

$8 + 1 =$

$7 + 2 =$

$8 + 2 =$

$7 + 3 =$

$8 + 3 =$

$7 + 4 =$

$8 + 4 =$

$7 + 5 =$

$8 + 5 =$

$7 + 6 =$

$8 + 6 =$

$7 + 7 =$

$8 + 7 =$

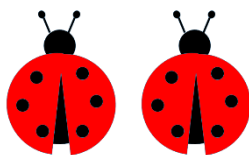
$7 + 8 =$

$8 + 8 =$

$7 + 9 =$

$8 + 9 =$

Let us Practice Addition



$9 + 0 =$

$10 + 0 =$

$9 + 1 =$

$10 + 1 =$

$9 + 2 =$

$10 + 2 =$

$9 + 3 =$

$10 + 3 =$

$9 + 4 =$

$10 + 4 =$

$9 + 5 =$

$10 + 5 =$

$9 + 6 =$

$10 + 6 =$

$9 + 7 =$

$10 + 7 =$

$9 + 8 =$

$10 + 8 =$

$9 + 9 =$

$10 + 9 =$

Let us Practice Addition



$20 + 0 =$

$30 + 0 =$

$20 + 1 =$

$30 + 1 =$

$20 + 2 =$

$30 + 2 =$

$20 + 3 =$

$30 + 3 =$

$20 + 4 =$

$30 + 4 =$

$20 + 5 =$

$30 + 5 =$

$20 + 6 =$

$30 + 6 =$

$20 + 7 =$

$30 + 7 =$

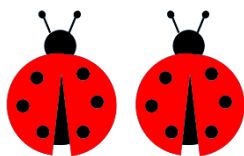
$20 + 8 =$

$30 + 8 =$

$20 + 9 =$

$30 + 9 =$

Let us Practice Addition



$40 + 0 =$

$50 + 0 =$

$40 + 1 =$

$50 + 1 =$

$40 + 2 =$

$50 + 2 =$

$40 + 3 =$

$50 + 3 =$

$40 + 4 =$

$50 + 4 =$

$40 + 5 =$

$50 + 5 =$

$40 + 6 =$

$50 + 6 =$

$40 + 7 =$

$50 + 7 =$

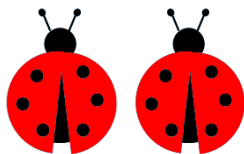
$40 + 8 =$

$50 + 8 =$

$40 + 9 =$

$50 + 9 =$

Let us Practice Addition



$60 + 0 =$

$70 + 0 =$

$60 + 1 =$

$70 + 1 =$

$60 + 2 =$

$70 + 2 =$

$60 + 3 =$

$70 + 3 =$

$60 + 4 =$

$70 + 4 =$

$60 + 5 =$

$70 + 5 =$

$60 + 6 =$

$70 + 6 =$

$60 + 7 =$

$70 + 7 =$

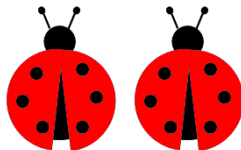
$60 + 8 =$

$70 + 8 =$

$60 + 9 =$

$70 + 9 =$

Let us Practice Addition



$80 + 0 =$

$90 + 0 =$

$80 + 1 =$

$90 + 1 =$

$80 + 2 =$

$90 + 2 =$

$80 + 3 =$

$90 + 3 =$

$80 + 4 =$

$90 + 4 =$

$80 + 5 =$

$90 + 5 =$

$80 + 6 =$

$90 + 6 =$

$80 + 7 =$

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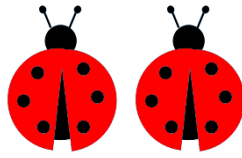
$80 + 8 =$

$90 + 8 =$

$80 + 9 =$

$90 + 9 =$

Let us Practice Addition



$$100 + 0 =$$

$$100 + 1 =$$

$$100 + 2 =$$

$$100 + 3 =$$

$$100 + 4 =$$

$$100 + 5 =$$

$$100 + 6 =$$

$$100 + 7 =$$

$$100 + 8 =$$

$$100 + 9 =$$

Let us Practice Subtraction



$1 - 1 =$

$2 - 2 =$

$2 - 1 =$

$3 - 2 =$

$3 - 1 =$

$4 - 2 =$

$4 - 1 =$

$5 - 2 =$

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$6 - 2 =$

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$7 - 2 =$

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Let us Practice Subtraction



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Let us Practice Subtraction



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Let us Practice Subtraction



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Let us Practice Subtraction



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$20 - 8 =$

$30 - 8 =$

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$30 - 9 =$

Let us Practice Subtraction



$40 - 0 =$

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$40 - 1 =$

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$50 - 8 =$

$40 - 9 =$

$50 - 9 =$

Let us Practice Subtraction



$60 - 0 =$

$70 - 0 =$

$60 - 1 =$

$70 - 1 =$

$60 - 2 =$

$70 - 2 =$

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$70 - 3 =$

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$60 - 6 =$

$70 - 6 =$

$60 - 7 =$

$70 - 7 =$

$60 - 8 =$

$70 - 8 =$

$60 - 9 =$

$70 - 9 =$

Let us Practice Subtraction



$80 - 0 =$

$90 - 0 =$

$80 - 1 =$

$90 - 1 =$

$80 - 2 =$

$90 - 2 =$

$80 - 3 =$

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$90 - 6 =$

$80 - 7 =$

$90 - 7 =$

$80 - 8 =$

$90 - 8 =$

$80 - 9 =$

$90 - 9 =$

Let us Practice Subtraction



$$100 - 0 =$$

$$100 - 1 =$$

$$100 - 2 =$$

$$100 - 3 =$$

$$100 - 4 =$$

$$100 - 5 =$$

$$100 - 6 =$$

$$100 - 7 =$$

$$100 - 8 =$$

$$100 - 9 =$$

Double Digit Addition and Subtraction

Adding Two-Digit Numbers Adding double-digit numbers is just like adding single-digit values, you just go through the process of addition more than once. When you add two-digit numbers you add the columns together, not the entire numbers. The same thing applies when subtracting

Example



Plus



Equal

15

+

14

29

Let us Practice Double Digit Addition



10	10	16	18	14	11
+	+	+	+	+	+
<u>15</u>	<u>13</u>	<u>11</u>	<u>10</u>	<u>13</u>	<u>15</u>

20	23	31	37	46	43
+	+	+	+	+	+
<u>10</u>	<u>15</u>	<u>13</u>	<u>22</u>	<u>12</u>	<u>32</u>

50	12	30	37	16	21
+	+	+	+	+	+
<u>13</u>	<u>53</u>	<u>40</u>	<u>22</u>	<u>13</u>	<u>41</u>

Let us Practice Double Digit Addition



12	10	13	18	24	41
+	+	+	+	+	+
<u>15</u>	<u>14</u>	<u>11</u>	<u>20</u>	<u>13</u>	<u>15</u>

30	22	33	27	41	34
+	+	+	+	+	+
<u>10</u>	<u>15</u>	<u>16</u>	<u>22</u>	<u>14</u>	<u>32</u>

56	12	50	47	76	11
+	+	+	+	+	+
<u>33</u>	<u>43</u>	<u>40</u>	<u>22</u>	<u>13</u>	<u>61</u>

Let us Practice Double Digit Subtraction



15	14	13	18	24	45
-	-	-	-	-	-
<u>12</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>15</u>

30	27	34	27	45	34
-	-	-	-	-	-
<u>10</u>	<u>15</u>	<u>21</u>	<u>22</u>	<u>14</u>	<u>31</u>

56	55	50	47	76	11
-	-	-	-	-	-
<u>33</u>	<u>43</u>	<u>40</u>	<u>22</u>	<u>13</u>	<u>11</u>

Let us Practice Double Digit Subtraction



25	34	43	38	54	65
-	-	-	-	-	-
<u>12</u>	<u>13</u>	<u>21</u>	<u>12</u>	<u>23</u>	<u>15</u>

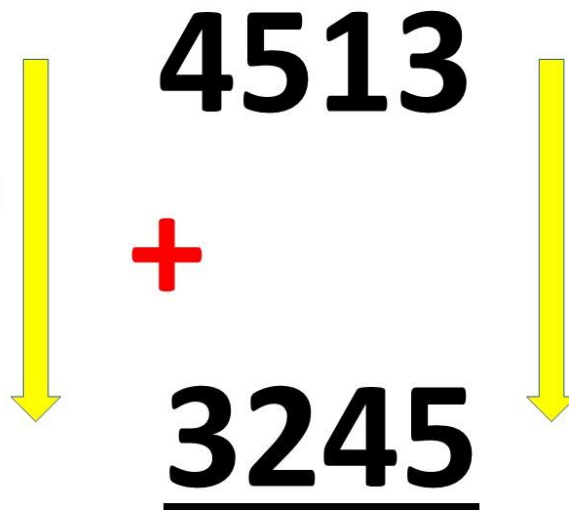
30	47	74	27	35	34
-	-	-	-	-	-
<u>20</u>	<u>16</u>	<u>31</u>	<u>22</u>	<u>24</u>	<u>22</u>

86	69	80	47	76	87
-	-	-	-	-	-
<u>33</u>	<u>21</u>	<u>60</u>	<u>23</u>	<u>43</u>	<u>44</u>

Three- and Four-Digit Addition and Subtraction

Adding Three- and four-Digit Numbers is just like adding single and double-digit values, you just go through the process of addition more than once. You are going to add the columns together, not the entire numbers. The same thing applies with subtraction.

Add Each of the
Columns separately

$$\begin{array}{r} 4513 \\ + \\ \hline 3245 \end{array}$$


Let us Practice Three Digit Addition



425	534	623	534	554	214
+	+	+	+	+	+
<u>413</u>	<u>123</u>	<u>221</u>	<u>332</u>	<u>423</u>	<u>165</u>

638	347	474	227	135	434
+	+	+	+	+	+
<u>120</u>	<u>331</u>	<u>111</u>	<u>312</u>	<u>624</u>	<u>222</u>

586	548	423	642	777	344
+	+	+	+	+	+
<u>113</u>	<u>251</u>	<u>460</u>	<u>327</u>	<u>101</u>	<u>144</u>

Let us Practice Three Digit Addition



545	534	653	234	524	714
+	+	+	+	+	+
<u>413</u>	<u>333</u>	<u>121</u>	<u>632</u>	<u>323</u>	<u>135</u>

728	342	474	425	335	414
+	+	+	+	+	+
<u>121</u>	<u>341</u>	<u>321</u>	<u>412</u>	<u>224</u>	<u>555</u>

686	548	423	142	888	344
+	+	+	+	+	+
<u>113</u>	<u>111</u>	<u>340</u>	<u>324</u>	<u>101</u>	<u>215</u>

Let us Practice Three Digit Subtraction



425	134	643	738	854	265
-	-	-	-	-	-
<u>312</u>	<u>113</u>	<u>421</u>	<u>512</u>	<u>723</u>	<u>115</u>

630	547	174	627	535	834
-	-	-	-	-	-
<u>220</u>	<u>316</u>	<u>131</u>	<u>322</u>	<u>224</u>	<u>722</u>

986	369	880	547	776	587
-	-	-	-	-	-
<u>133</u>	<u>221</u>	<u>460</u>	<u>423</u>	<u>743</u>	<u>144</u>

Let's Practice Three Digit Subtraction

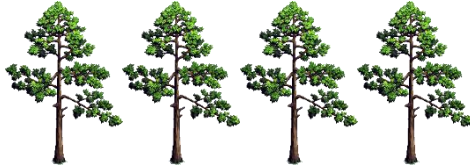


425	534	623	538	554	275
-	-	-	-	-	-
<u>413</u>	<u>123</u>	<u>521</u>	<u>532</u>	<u>423</u>	<u>165</u>

638	347	474	927	835	734
-	-	-	-	-	-
<u>520</u>	<u>336</u>	<u>161</u>	<u>312</u>	<u>624</u>	<u>222</u>

586	869	483	647	777	387
-	-	-	-	-	-
<u>175</u>	<u>251</u>	<u>460</u>	<u>527</u>	<u>763</u>	<u>144</u>

Let's Practice Four Digit Addition



6545	1534	6513	2343	5240	5714
+	+	+	+	+	+
<u>2413</u>	<u>3332</u>	<u>1214</u>	<u>4632</u>	<u>3323</u>	<u>1235</u>

3728	3242	1474	2425	4335	3414
+	+	+	+	+	+
<u>3121</u>	<u>3241</u>	<u>4321</u>	<u>1412</u>	<u>5224</u>	<u>2555</u>

6186	4548	7423	1423	8888	4344
+	+	+	+	+	+
<u>1113</u>	<u>4111</u>	<u>2340</u>	<u>3241</u>	<u>1010</u>	<u>2215</u>

Let's Practice

Four Digit Subtraction



6545	4534	6518	8743	5649	5763
-	-	-	-	-	-
<u>2413</u>	<u>3332</u>	<u>1214</u>	<u>4632</u>	<u>3313</u>	<u>1235</u>

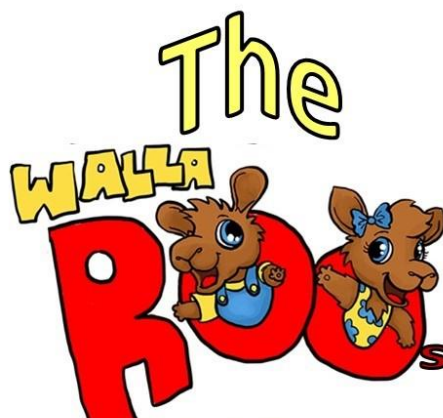
3728	3242	6474	2425	4335	3464
-	-	-	-	-	-
<u>3121</u>	<u>3241</u>	<u>4321</u>	<u>1412</u>	<u>2224</u>	<u>2151</u>

6186	4548	7463	5483	8888	4847
-	-	-	-	-	-
<u>1113</u>	<u>4234</u>	<u>2341</u>	<u>3241</u>	<u>1010</u>	<u>2215</u>

Wow You Just Learned A lot!!!

**Do not stop keep doing your best and
learning all that you can.**





Youth Learning and Adventures LLC