

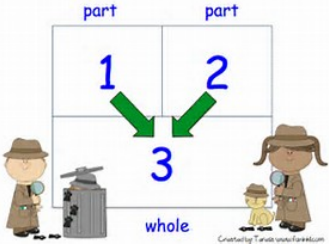


SECOND GRADE	Resource: <b>100 Facts Tests</b> (Addition and Subtraction) <b>Rocket Math</b> (Multiplication and Division)					
	1 <sup>st</sup> Six Weeks	2 <sup>nd</sup> Six Weeks	3 <sup>rd</sup> Six Weeks	4 <sup>th</sup> Six Weeks	5 <sup>th</sup> Six Weeks	6 <sup>th</sup> Six Weeks
Addition	100 facts within 20 with automaticity during 7 minutes at 70%	100 facts within 20 with automaticity during 6 minutes at 70%	100 facts within 20 with automaticity during 5 minutes at 70%	100 facts within 20 with automaticity during 5 minutes at 75%	100 facts within 20 with automaticity during 5 minutes at 80%	100 facts within 20 with automaticity during 5 minutes at 90%
Subtraction	100 facts within 20 with automaticity during 10 minutes at 60%	100 facts within 20 with automaticity during 8 minutes at 65%	100 facts within 20 with automaticity during 6 minutes at 70%	100 facts within 20 with automaticity during 5 minutes at 70%	100 facts within 20 with automaticity during 5 minutes at 80%	100 facts within 20 with automaticity during 5 minutes at 90%
Multiplication					40 facts using multiples of 0, 1 and 2 with automaticity at 60% within 2 minutes	40 facts using multiples of 0, 1, 2, 5 and 10 with automaticity at 60% within 2 minutes
Division					40 facts using multiples of 0, 1 and 2 with automaticity at 50% within 2 minutes	40 facts using multiples of 0, 1, 2, 5 and 10 with automaticity at 50% within 2 minutes

2<sup>nd</sup>

Fact families are to be taught for addition and subtraction such as $7 + 8 = 15$ represents $7 + 8 = 15$ , $8 + 7 = 15$ , $15 - 8 = 7$ and $15 - 7 = 8$ .							
Fact families are to be taught for multiplication and division such as $7 \times 8 = 56$ represents $7 \times 8 = 56$ , $8 \times 7 = 56$ , $56 \div 8 = 7$ and $56 \div 7 = 8$ .							
<b>1<sup>st</sup> – 4<sup>th</sup> Six Weeks</b> (Review Fact Families Listed Below)					<b>5<sup>th</sup> Six Weeks</b> (times 0, times 1, times 2)		<b>6<sup>th</sup> Six Weeks</b> (times 5, times 10)
$0 + 0 = 0$	$2 + 2 = 4$	$3 + 5 = 8$	$5 + 2 = 7$	$7 + 2 = 9$	$0 \times 0 = 0$	$2 \times 2 = 4$	$5 \times 3 = 15$
$0 + 1 = 1$	$3 + 3 = 6$	$3 + 6 = 9$	$5 + 7 = 12$	$7 + 9 = 16$	$0 \times 1 = 0$	$2 \times 3 = 6$	$5 \times 4 = 20$
$0 + 2 = 2$	$4 + 4 = 8$	$3 + 7 = 10$	$5 + 8 = 13$	$7 + 10 = 17$	$0 \times 2 = 0$	$2 \times 4 = 8$	$5 \times 5 = 25$
$0 + 3 = 3$	$5 + 5 = 10$	$3 + 8 = 11$	$5 + 9 = 14$		$0 \times 3 = 0$	$2 \times 5 = 10$	$5 \times 6 = 30$
$0 + 4 = 4$	$6 + 6 = 12$	$3 + 9 = 12$	$5 + 10 = 15$	$8 + 2 = 10$	$0 \times 4 = 0$	$2 \times 6 = 12$	$5 \times 7 = 35$
$0 + 5 = 5$	$7 + 7 = 14$	$3 + 10 = 13$		$8 + 10 = 18$	$0 \times 5 = 0$	$2 \times 7 = 14$	$5 \times 8 = 40$
$0 + 6 = 6$	$8 + 8 = 16$		$6 + 2 = 8$		$0 \times 6 = 0$	$2 \times 8 = 16$	$5 \times 9 = 45$
$0 + 7 = 7$	$9 + 9 = 18$	$4 + 2 = 6$	$6 + 8 = 14$	$9 + 2 = 11$	$0 \times 7 = 0$	$2 \times 9 = 18$	$5 \times 10 = 50$
$0 + 8 = 8$	$10 + 10 = 20$	$4 + 6 = 10$	$6 + 9 = 15$		$0 \times 8 = 0$	$2 \times 10 = 20$	
$0 + 9 = 9$		$4 + 7 = 11$	$6 + 10 = 16$	$10 + 2 = 12$	$0 \times 9 = 0$		$10 \times 3 = 30$
$0 + 10 = 10$	$2 + 3 = 5$	$4 + 8 = 12$			$0 \times 10 = 0$		$10 \times 4 = 40$
	$3 + 4 = 7$	$4 + 9 = 13$					$10 \times 6 = 60$
$1 + 1 = 2$	$4 + 5 = 9$	$4 + 10 = 14$			$1 \times 1 = 1$		$10 \times 7 = 70$
$1 + 2 = 3$	$5 + 6 = 11$				$1 \times 2 = 2$		$10 \times 8 = 80$
$1 + 3 = 4$	$6 + 7 = 13$				$1 \times 3 = 3$		$10 \times 9 = 90$
$1 + 4 = 5$	$7 + 8 = 15$				$1 \times 4 = 4$		$10 \times 10 = 100$
$1 + 5 = 6$	$8 + 9 = 17$				$1 \times 5 = 5$		
$1 + 6 = 7$	$9 + 10 = 19$				$1 \times 6 = 6$		
$1 + 7 = 8$					$1 \times 7 = 7$		
$1 + 8 = 9$					$1 \times 8 = 8$		
$1 + 9 = 10$					$1 \times 9 = 9$		
$1 + 10 = 11$					$1 \times 10 = 10$		

<p><b>SECOND GRADE</b></p>	<p>Resource: <b>100 Facts Tests</b> (Addition and Subtraction)  <b>Rocket Math</b> (Multiplication and Division)</p>
	<p>1<sup>st</sup> Six Weeks</p>
<p>Addition</p>	<p>100 facts within 20 with automaticity during 7 minutes at 70%</p>
<p>Subtraction</p>	<p>100 facts within 20 with automaticity during 10 minutes at 60%</p>
<p>Fact families are to be taught for addition and subtraction such as <math>7 + 8 = 15</math> represents <math>7 + 8 = 15</math>, <math>8 + 7 = 15</math>, <math>15 - 8 = 7</math> and <math>15 - 7 = 8</math>.</p>	

Fact Families:					Examples:
<b>1<sup>st</sup> Six Weeks</b>					
Review Fact Families					
$0 + 0 = 0$ $0 + 1 = 1$ $0 + 2 = 2$ $0 + 3 = 3$ $0 + 4 = 4$ $0 + 5 = 5$ $0 + 6 = 6$ $0 + 7 = 7$ $0 + 8 = 8$ $0 + 9 = 9$ $0 + 10 = 10$  $1 + 1 = 2$ $1 + 2 = 3$ $1 + 3 = 4$ $1 + 4 = 5$ $1 + 5 = 6$ $1 + 6 = 7$ $1 + 7 = 8$ $1 + 8 = 9$ $1 + 9 = 10$ $1 + 10 = 11$	$2 + 2 = 4$ $3 + 3 = 6$ $4 + 4 = 8$ $5 + 5 = 10$ $6 + 6 = 12$ $7 + 7 = 14$ $8 + 8 = 16$ $9 + 9 = 18$ $10 + 10 = 20$  $2 + 3 = 5$ $3 + 4 = 7$ $4 + 5 = 9$ $5 + 6 = 11$ $6 + 7 = 13$ $7 + 8 = 15$ $8 + 9 = 17$ $9 + 10 = 19$	$3 + 5 = 8$ $3 + 6 = 9$ $3 + 7 = 10$ $3 + 8 = 11$ $3 + 9 = 12$ $3 + 10 = 13$  $4 + 2 = 6$ $4 + 6 = 10$ $4 + 7 = 11$ $4 + 8 = 12$ $4 + 9 = 13$ $4 + 10 = 14$	$5 + 2 = 7$ $5 + 7 = 12$ $5 + 8 = 13$ $5 + 9 = 14$ $5 + 10 = 15$  $6 + 2 = 8$ $6 + 8 = 14$ $6 + 9 = 15$ $6 + 10 = 16$	$7 + 2 = 9$ $7 + 9 = 16$ $7 + 10 = 17$  $8 + 2 = 10$ $8 + 10 = 18$  $9 + 2 = 11$  $10 + 2 = 12$	<p>Addition and Subtraction fact family</p> <p>1.    <math>7 + 4 = 11</math>  <math>4 + 7 = 11</math>  <math>11 - 7 = 4</math>  <math>11 - 4 = 7</math></p> <p>2.    <math>\square + \square = \square</math>  <math>\square + \square = \square</math>  <math>\square - \square = \square</math>  <math>\square - \square = \square</math></p> <p><a href="http://www.MathATube.com">www.MathATube.com</a></p>  <p>part      part  1      2  3  whole</p> <p><b>Activities to Help at Home:</b></p> <p><b>Printable Flashcards:</b></p> <p><b>Addition-</b> <a href="http://www.math-aids.com/Flash_Cards/Addition.html">http://www.math-aids.com/Flash_Cards/Addition.html</a></p> <p><b>Subtraction-</b> <a href="https://www.math-aids.com/Flash_Cards/Subtraction.html">https://www.math-aids.com/Flash_Cards/Subtraction.html</a></p> <p><b>Skip Counting Songs:</b></p> <p><a href="#">Counting Songs by Have Fun Teaching</a></p>

<b>SECOND GRADE</b>	Resource: <b>100 Facts Tests</b> (Addition and Subtraction) <b>Rocket Math</b> (Multiplication and Division)
	2 <sup>nd</sup> Six Weeks
Addition	100 facts within 20 with automaticity during 6 minutes at 70%
Subtraction	100 facts within 20 with automaticity during 8 minutes at 65%
Fact families are to be taught for addition and subtraction such as $7 + 8 = 15$ represents $7 + 8 = 15$ , $8 + 7 = 15$ , $15 - 8 = 7$ and $15 - 7 = 8$ .	

**Fact Families:**

**2<sup>nd</sup> Six Weeks**

Review Fact Families

0 + 0 = 0	2 + 2 = 4	3 + 5 = 8	5 + 2 = 7	7 + 2 = 9
0 + 1 = 1	3 + 3 = 6	3 + 6 = 9	5 + 7 = 12	7 + 9 = 16
0 + 2 = 2	4 + 4 = 8	3 + 7 = 10	5 + 8 = 13	7 + 10 = 17
0 + 3 = 3	5 + 5 = 10	3 + 8 = 11	5 + 9 = 14	
0 + 4 = 4	6 + 6 = 12	3 + 9 = 12	5 + 10 = 15	8 + 2 = 10
0 + 5 = 5	7 + 7 = 14	3 + 10 = 13		8 + 10 = 18
0 + 6 = 6	8 + 8 = 16		6 + 2 = 8	
0 + 7 = 7	9 + 9 = 18	4 + 2 = 6	6 + 8 = 14	9 + 2 = 11
0 + 8 = 8	10 + 10 = 20	4 + 6 = 10	6 + 9 = 15	
0 + 9 = 9		4 + 7 = 11	6 + 10 = 16	10 + 2 = 12
0 + 10 = 10		4 + 8 = 12		
	2 + 3 = 5	4 + 9 = 13		
1 + 1 = 2	3 + 4 = 7	4 + 10 = 14		
1 + 2 = 3	4 + 5 = 9			
1 + 3 = 4	5 + 6 = 11			
1 + 4 = 5	6 + 7 = 13			
1 + 5 = 6	7 + 8 = 15			
1 + 6 = 7	8 + 9 = 17			
1 + 7 = 8	9 + 10 = 19			
1 + 8 = 9				
1 + 9 = 10				
1 + 10 = 11				

## Activities to Help at Home:

Apps	Websites	Make and Play
Flash to Pass	<a href="http://www.mathfactspro.com">www.mathfactspro.com</a>	<a href="#">7 Math Fact Games</a>
IXL	<a href="http://www.mathgeekmama.com">www.mathgeekmama.com</a>	<a href="http://www.eduplace.com">www.eduplace.com</a>
Math Evolve	<a href="http://www.topnotchteaching.com">www.topnotchteaching.com</a>	<a href="#">Beach Ball Fluency Game</a>
Math Bingo	<a href="http://www.ixl.com">www.ixl.com</a>	<a href="#">Dice and Card Games</a>
Pop Math Lite	<a href="http://www.mathwire.com">www.mathwire.com</a>	<a href="http://www.themeasuredmom.com">www.themeasuredmom.com</a>
Math Cards	<a href="http://www.playkidsgames.com">www.playkidsgames.com</a>	
Add the Cards	<a href="http://www.havefunteaching.com">www.havefunteaching.com</a>	

<b>SECOND GRADE</b>	Resource: <b>100 Facts Tests</b> (Addition and Subtraction) <b>Rocket Math</b> (Multiplication and Division)
	3 <sup>rd</sup> Six Weeks
Addition	100 facts within 20 with automaticity during 5 minutes at 70%
Subtraction	100 facts within 20 with automaticity during 6 minutes at 70%
Fact families are to be taught for addition and subtraction such as $7 + 8 = 15$ represents $7 + 8 = 15$ , $8 + 7 = 15$ , $15 - 8 = 7$ and $15 - 7 = 8$ .	

Fact Families:				
<b>3<sup>rd</sup> Six Weeks</b>				
Review Fact Families				
0 + 0 = 0	2 + 2 = 4	3 + 5 = 8	5 + 2 = 7	7 + 2 = 9
0 + 1 = 1	3 + 3 = 6	3 + 6 = 9	5 + 7 = 12	7 + 9 = 16
0 + 2 = 2	4 + 4 = 8	3 + 7 = 10	5 + 8 = 13	7 + 10 = 17
0 + 3 = 3	5 + 5 = 10	3 + 8 = 11	5 + 9 = 14	
0 + 4 = 4	6 + 6 = 12	3 + 9 = 12	5 + 10 = 15	8 + 2 = 10
0 + 5 = 5	7 + 7 = 14	3 + 10 = 13		8 + 10 = 18
0 + 6 = 6	8 + 8 = 16		6 + 2 = 8	
0 + 7 = 7	9 + 9 = 18	4 + 2 = 6	6 + 8 = 14	9 + 2 = 11
0 + 8 = 8	10 + 10 = 20	4 + 6 = 10	6 + 9 = 15	
0 + 9 = 9		4 + 7 = 11	6 + 10 = 16	10 + 2 = 12
0 + 10 = 10	2 + 3 = 5	4 + 8 = 12		
	3 + 4 = 7	4 + 9 = 13		
1 + 1 = 2	4 + 5 = 9	4 + 10 = 14		
1 + 2 = 3	5 + 6 = 11			
1 + 3 = 4	6 + 7 = 13			
1 + 4 = 5	7 + 8 = 15			
1 + 5 = 6	8 + 9 = 17			
1 + 6 = 7	9 + 10 = 19			
1 + 7 = 8				
1 + 8 = 9				
1 + 9 = 10				
1 + 10 = 11				



**Activities to Help at Home:**

<b>Apps</b>	<b>Websites</b>	<b>Make and Play</b>
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Math Bingo	<a href="http://www.ixl.com">www.ixl.com</a>	<a href="#">Dice and Card Games</a>
Pop Math Lite	<a href="http://www.mathwire.com">www.mathwire.com</a>	<a href="http://www.themeasuredmom.com">www.themeasuredmom.com</a>
Math Cards	<a href="http://www.playkidsgames.com">www.playkidsgames.com</a>	
Add the Cards	<a href="http://www.havefunteaching.com">www.havefunteaching.com</a>	

<p><b>SECOND GRADE</b></p>	<p>Resource: <b>100 Facts Tests</b> (Addition and Subtraction)  <b>Rocket Math</b> (Multiplication and Division)</p>
	<p>4<sup>th</sup> Six Weeks</p>
<p>Addition</p>	<p>100 facts within 20 with automaticity during 5 minutes at 75%</p>
<p>Subtraction</p>	<p>100 facts within 20 with automaticity during 5 minutes at 70%</p>
<p>Fact families are to be taught for addition and subtraction such as <math>7 + 8 = 15</math> represents <math>7 + 8 = 15</math>, <math>8 + 7 = 15</math>, <math>15 - 8 = 7</math> and <math>15 - 7 = 8</math>.</p>	

## Fact Families:

4<sup>th</sup> Six Weeks



## Review Fact Families

0 + 0 = 0	2 + 2 = 4	3 + 5 = 8	5 + 2 = 7	7 + 2 = 9
0 + 1 = 1	3 + 3 = 6	3 + 6 = 9	5 + 7 = 12	7 + 9 = 16
0 + 2 = 2	4 + 4 = 8	3 + 7 = 10	5 + 8 = 13	7 + 10 = 17
0 + 3 = 3	5 + 5 = 10	3 + 8 = 11	5 + 9 = 14	
0 + 4 = 4	6 + 6 = 12	3 + 9 = 12	5 + 10 = 15	8 + 2 = 10
0 + 5 = 5	7 + 7 = 14	3 + 10 = 13		8 + 10 = 18
0 + 6 = 6	8 + 8 = 16		6 + 2 = 8	
0 + 7 = 7	9 + 9 = 18	4 + 2 = 6	6 + 8 = 14	9 + 2 = 11
0 + 8 = 8	10 + 10 = 20	4 + 6 = 10	6 + 9 = 15	
0 + 9 = 9		4 + 7 = 11	6 + 10 = 16	10 + 2 = 12
0 + 10 = 10	2 + 3 = 5	4 + 8 = 12		
	3 + 4 = 7	4 + 9 = 13		
1 + 1 = 2	4 + 5 = 9	4 + 10 = 14		
1 + 2 = 3	5 + 6 = 11			
1 + 3 = 4	6 + 7 = 13			
1 + 4 = 5	7 + 8 = 15			
1 + 5 = 6	8 + 9 = 17			
1 + 6 = 7	9 + 10 = 19			
1 + 7 = 8				
1 + 8 = 9				
1 + 9 = 10				
1 + 10 = 11				

**Activities to Help at Home:**

<b>Apps</b>	<b>Websites</b>	<b>Make and Play</b>
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<b>SECOND GRADE</b>	Resource: <b>100 Facts Tests</b> (Addition and Subtraction) <b>Rocket Math</b> (Multiplication and Division)
	5 <sup>th</sup> Six Weeks
Addition	100 facts within 20 with automaticity during 5 minutes at 80%
Subtraction	100 facts within 20 with automaticity during 5 minutes at 80%
Multiplication	40 facts using multiples of 0, 1, and 2 with automaticity during 2 minutes at 60%
Division	40 facts using multiples of 0, 1, and 2 with automaticity during 2 minutes at 50%
Fact families are to be taught for addition and subtraction such as $7 + 8 = 15$ represents $7 + 8 = 15$ , $8 + 7 = 15$ , $15 - 8 = 7$ and $15 - 7 = 8$ .	
Fact families are to be taught for multiplication and division such as $7 \times 8 = 56$ represents $7 \times 8 = 56$ , $8 \times 7 = 56$ , $56 \div 8 = 7$ and $56 \div 7 = 8$ .	

<b>5<sup>th</sup> Six Weeks</b> (times 0, times 1, times 2)	<b>Examples:</b>	
	<b>Fact Family Triangle</b>	<b>Part-Part-Whole</b>
0 x 0 = 0 0 x 1 = 0 0 x 2 = 0 0 x 3 = 0 0 x 4 = 0 0 x 5 = 0 0 x 6 = 0 0 x 7 = 0 0 x 8 = 0 0 x 9 = 0 0 x 10 = 0  1 x 1 = 1 1 x 2 = 2 1 x 3 = 3 1 x 4 = 4 1 x 5 = 5 1 x 6 = 6 1 x 7 = 7 1 x 8 = 8 1 x 9 = 9 1 x 10 = 10	<p style="text-align: center;"><b>Multiplication and Division</b></p>  <p> <math>2 \times 8 = 16</math>  <math>8 \times 2 = 16</math>  <math>16 \div 2 = 8</math>  <math>16 \div 8 = 2</math> </p> <p style="text-align: center;"><b>MathATube.com</b></p>	 <p> <math>25 = 5 + 5</math>  <math>25 = 5 + 5</math>  <small>or</small>  <math>24 = 6 + 4</math> </p>

**Activities to Help at Home:**

**Printable Flashcards:**

**Multiplication:** [Multiplication Flashcards](#)

**Division:** [Division Flashcards](#)

**Skip Counting Songs:**

[Counting Songs by Have Fun Teaching](#)

<b>SECOND GRADE</b>	Resource: <b>100 Facts Tests</b> (Addition and Subtraction) <b>Rocket Math</b> (Multiplication and Division)
	6 <sup>th</sup> Six Weeks
Addition	100 facts within 20 with automaticity during 5 minutes at 90%
Subtraction	100 facts within 2 with automaticity during 5 minutes at 90%
Multiplication	40 facts using multiples of 0, 1, 2, 5, and 10 with automaticity during 2 minutes at 60%
Division	40 facts using multiples of 0, 1, 2, 5, and 10 with automaticity during 2 minutes at 50%
Fact families are to be taught for addition and subtraction such as $7 + 8 = 15$ represents $7 + 8 = 15$ , $8 + 7 = 15$ , $15 - 8 = 7$ and $15 - 7 = 8$ .	
Fact families are to be taught for multiplication and division such as $7 \times 8 = 56$ represents $7 \times 8 = 56$ , $8 \times 7 = 56$ , $56 \div 8 = 7$ and $56 \div 7 = 8$ .	

<b>6<sup>th</sup> Six Weeks</b> (times 5, times 10)	<b>Activities to Help at Home:</b>
<p>5 x 3 = 15 5 x 4 = 20 5 x 5 = 25 5 x 6 = 30 5 x 7 = 35 5 x 8 = 40 5 x 9 = 45 5 x 10 = 50</p> <p>10 x 3 = 30 10 x 4 = 40 10 x 6 = 60 10 x 7 = 70 10 x 8 = 80 10 x 9 = 90 10 x 10 = 100</p>	<p><b>Printable Flashcards:</b>  <b>Multiplication:</b> <a href="#">Multiplication Flashcards</a>  <b>Division:</b> <a href="#">Division Flashcards</a></p> <p><b>Skip Counting Songs:</b>  <a href="#">Counting Songs by Have Fun Teaching</a></p>