

<b>Teacher:</b> Wen-hung Huang	<b>Grade/Course:</b> 1 <sup>st</sup> Math	<b>Week:</b> 15th 11/30-12/04 2015
--------------------------------	---	------------------------------------

Envision Math TOPIC 6 – Subtraction Facts to 20 (Week 14 - 17)

- Lesson 6-3: Using Related Facts. (1.OA.6: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. )
- Lesson 6-4: Fact Families. (1.OA.6: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. )
- Lesson 6-5: Using Addition to subtract. (1.OA.4: Understand subtraction as an unknown-addend problem.)
- Lesson 6-6: Subtraction Facts. (1.OA.8: Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.)

**Content Objective(s):**

- **Students will solve addition problems by recognizing and recording its parts in small groups.**
- I can solve addition problems by recognizing and recording its parts with a small group.

**Language Objective(s):**

- **Students will speak the words inside, outside and in all while adding parts.**
- I can speak the words inside, outside and in all while adding parts.

**Class website: (Week 15: 11/30 – 12/04)**

- <http://chinese2015-16.weebly.com/week-15-1130--1204.html>

Key #	Components	M	T	W	Th	F
1	Standards, Objectives, Purpose ENCOGE	Lesson: 6-3: Using Related Facts. <b>Math Standard(s): 1.OA.6</b> <b>Domain:</b> Operations and Algebraic Thinking	Lesson: 6-4: Fact Families. <b>Math Standard(s): 1.OA.6</b> <b>Domain:</b> Operations and Algebraic Thinking	Lesson: 6-5: Using Addition to subtract. <b>Math Standard(s): 1.OA.6</b> <b>Domain:</b> Operations and Algebraic Thinking	Lesson: 6-5: Using Addition to subtract. <b>Math Standard(s): 1.OA.4</b> <b>Domain:</b> Operations and Algebraic Thinking	Lesson: 6-6: Subtraction Facts. <b>Math Standard(s): 1.OA.8</b> <b>Domain:</b> Operations and Algebraic Thinking
2	Anticipatory Set (engagement)	Add three numbers: 中文 :Click <a href="#">HERE</a> to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. ) Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click <a href="#">HERE</a> to play game. Addition & Subtraction games: 中文 :Click <a href="#">HERE</a> to play game.	Add three numbers: 中文 :Click <a href="#">HERE</a> to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. ) Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click <a href="#">HERE</a> to play game. Addition & Subtraction games: 中文 :Click <a href="#">HERE</a> to play game.	Add three numbers: 中文 :Click <a href="#">HERE</a> to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. ) Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click <a href="#">HERE</a> to play game. Addition & Subtraction games: 中文 :Click <a href="#">HERE</a> to play game.	Add three numbers: 中文 :Click <a href="#">HERE</a> to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. ) Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click <a href="#">HERE</a> to play game. Addition & Subtraction games: 中文 :Click <a href="#">HERE</a> to play game.	Add three numbers: 中文 :Click <a href="#">HERE</a> to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. ) Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click <a href="#">HERE</a> to play game. Addition & Subtraction games: 中文 :Click <a href="#">HERE</a> to play game.

	<p>Addition games: 中文 :Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) English: Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click <a href="#">HERE</a> to play game.  Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15.  (English) :Click <a href="#">HERE</a> to play game.  Math Way Up – Addition Game  (English):Click <a href="#">HERE</a> to play game.  魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <a href="#">HERE</a> to play game.  比武召集令 Martial Skills Competition.  (Math): Click <a href="#">HERE</a> to play game.</p> <p>match 10. (To find a GOOD FRIEND, 0&amp;10, 1&amp;9, 2&amp;8, 3&amp;7, 4&amp;6, 5&amp;5, 6&amp;4, 7&amp;3, 8&amp;2, 9&amp;1, 10&amp;0.): Click <a href="#">HERE</a> to play</p>	<p>Addition games: 中文 :Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) English: Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click <a href="#">HERE</a> to play game.  Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15.  (English) :Click <a href="#">HERE</a> to play game.  Math Way Up – Addition Game  (English):Click <a href="#">HERE</a> to play game.  魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <a href="#">HERE</a> to play game.  比武召集令 Martial Skills Competition.  (Math): Click <a href="#">HERE</a> to play game.</p> <p>match 10. (To find a GOOD FRIEND, 0&amp;10, 1&amp;9, 2&amp;8, 3&amp;7, 4&amp;6, 5&amp;5, 6&amp;4, 7&amp;3, 8&amp;2, 9&amp;1, 10&amp;0.): Click <a href="#">HERE</a> to play</p>	<p>Addition games: 中文 :Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) English: Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click <a href="#">HERE</a> to play game.  Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15.  (English) :Click <a href="#">HERE</a> to play game.  Math Way Up – Addition Game  (English):Click <a href="#">HERE</a> to play game.  魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <a href="#">HERE</a> to play game.  比武召集令 Martial Skills Competition.  (Math): Click <a href="#">HERE</a> to play game.</p> <p>match 10. (To find a GOOD FRIEND, 0&amp;10, 1&amp;9, 2&amp;8, 3&amp;7, 4&amp;6, 5&amp;5, 6&amp;4, 7&amp;3, 8&amp;2, 9&amp;1, 10&amp;0.): Click <a href="#">HERE</a> to play</p>	<p>Addition games: 中文 :Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) English: Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click <a href="#">HERE</a> to play game.  Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15.  (English) :Click <a href="#">HERE</a> to play game.  Math Way Up – Addition Game  (English):Click <a href="#">HERE</a> to play game.  魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <a href="#">HERE</a> to play game.  比武召集令 Martial Skills Competition.  (Math): Click <a href="#">HERE</a> to play game.</p> <p>match 10. (To find a GOOD FRIEND, 0&amp;10, 1&amp;9, 2&amp;8, 3&amp;7, 4&amp;6, 5&amp;5, 6&amp;4, 7&amp;3, 8&amp;2, 9&amp;1, 10&amp;0.): Click <a href="#">HERE</a> to play</p>	<p>Addition games: 中文 :Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) English: Click <a href="#">HERE</a> to play game.  Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click <a href="#">HERE</a> to play game.  Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15.  (English) :Click <a href="#">HERE</a> to play game.  Math Way Up – Addition Game  (English):Click <a href="#">HERE</a> to play game.  魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <a href="#">HERE</a> to play game.  比武召集令 Martial Skills Competition.  (Math): Click <a href="#">HERE</a> to play game.</p> <p>match 10. (To find a GOOD FRIEND, 0&amp;10, 1&amp;9, 2&amp;8, 3&amp;7, 4&amp;6, 5&amp;5, 6&amp;4, 7&amp;3, 8&amp;2, 9&amp;1, 10&amp;0.): Click <a href="#">HERE</a> to play</p>
--	---	---	---	---	---

	<p>game. Click <a href="#">HERE</a> to play game. Click <a href="#">HERE</a> to play game. 巧虎上下数字大挑战小游戏(qiao hu math): Click <a href="#">HERE</a> to play game. Addition &amp; subtraction: Click <a href="#">HERE</a> to play game. Addition: Click <a href="#">HERE</a> to play game. Addition. (Math game with Tom &amp; Jerry): Click <a href="#">HERE</a> to play game. Math game: 巧虎加法连连看(Addition). Click <a href="#">HERE</a> to play game. Bigger or smaller: Click <a href="#">HERE</a> to play game. Subtraction: Click <a href="#">HERE</a> to play game. The little bear divided the cookie. Click <a href="#">HERE</a> to play game. Math Game: Addition. Click <a href="#">HERE</a> to play game. Math Game TANK. Click <a href="#">HERE</a> to play game. Math RACING game. Click <a href="#">HERE</a> to play game.</p>	<p>game. Click <a href="#">HERE</a> to play game. Click <a href="#">HERE</a> to play game. 巧虎上下数字大挑战小游戏(qiao hu math): Click <a href="#">HERE</a> to play game. Addition &amp; subtraction: Click <a href="#">HERE</a> to play game. Addition: Click <a href="#">HERE</a> to play game. Addition. (Math game with Tom &amp; Jerry): Click <a href="#">HERE</a> to play game. Math game: 巧虎加法连连看(Addition). Click <a href="#">HERE</a> to play game. Bigger or smaller: Click <a href="#">HERE</a> to play game. Subtraction: Click <a href="#">HERE</a> to play game. The little bear divided the cookie. Click <a href="#">HERE</a> to play game. Math Game: Addition. Click <a href="#">HERE</a> to play game. Math Game TANK. Click <a href="#">HERE</a> to play game. Math RACING game. Click <a href="#">HERE</a> to play game.</p>	<p>game. Click <a href="#">HERE</a> to play game. Click <a href="#">HERE</a> to play game. 巧虎上下数字大挑战小游戏(qiao hu math): Click <a href="#">HERE</a> to play game. Addition &amp; subtraction: Click <a href="#">HERE</a> to play game. Addition: Click <a href="#">HERE</a> to play game. Addition. (Math game with Tom &amp; Jerry): Click <a href="#">HERE</a> to play game. Math game: 巧虎加法连连看(Addition). Click <a href="#">HERE</a> to play game. Bigger or smaller: Click <a href="#">HERE</a> to play game. Subtraction: Click <a href="#">HERE</a> to play game. The little bear divided the cookie. Click <a href="#">HERE</a> to play game. Math Game: Addition. Click <a href="#">HERE</a> to play game. Math Game TANK. Click <a href="#">HERE</a> to play game. Math RACING game. Click <a href="#">HERE</a> to play game.</p>	<p>game. Click <a href="#">HERE</a> to play game. Click <a href="#">HERE</a> to play game. 巧虎上下数字大挑战小游戏(qiao hu math): Click <a href="#">HERE</a> to play game. Addition &amp; subtraction: Click <a href="#">HERE</a> to play game. Addition: Click <a href="#">HERE</a> to play game. Addition. (Math game with Tom &amp; Jerry): Click <a href="#">HERE</a> to play game. Math game: 巧虎加法连连看(Addition). Click <a href="#">HERE</a> to play game. Bigger or smaller: Click <a href="#">HERE</a> to play game. Subtraction: Click <a href="#">HERE</a> to play game. The little bear divided the cookie. Click <a href="#">HERE</a> to play game. Math Game: Addition. Click <a href="#">HERE</a> to play game. Math Game TANK. Click <a href="#">HERE</a> to play game. Math RACING game. Click <a href="#">HERE</a> to play game.</p>	<p>game. Click <a href="#">HERE</a> to play game. Click <a href="#">HERE</a> to play game. 巧虎上下数字大挑战小游戏(qiao hu math): Click <a href="#">HERE</a> to play game. Addition &amp; subtraction: Click <a href="#">HERE</a> to play game. Addition: Click <a href="#">HERE</a> to play game. Addition. (Math game with Tom &amp; Jerry): Click <a href="#">HERE</a> to play game. Math game: 巧虎加法连连看(Addition). Click <a href="#">HERE</a> to play game. Bigger or smaller: Click <a href="#">HERE</a> to play game. Subtraction: Click <a href="#">HERE</a> to play game. The little bear divided the cookie. Click <a href="#">HERE</a> to play game. Math Game: Addition. Click <a href="#">HERE</a> to play game. Math Game TANK. Click <a href="#">HERE</a> to play game. Math RACING game. Click <a href="#">HERE</a> to play game.</p>
Strategies, Skills, Learning Activities	Whole Class/Tier 1 <b>Essential Understanding:</b>	Whole Class/Tier 1 <b>Essential Understanding:</b>	Whole Class/Tier 1 <b>Essential Understanding:</b>	Whole Class/Tier 1 <b>Essential Understanding:</b>	Whole Class/Tier 1 <b>Essential Understanding:</b>

		Addition and subtraction have an inverse relationship. The inverse relationship between addition and subtraction can be sued to find subtraction facts; every subtraction facts has a related addition fact.	Addition and subtraction have an inverse relationship. The inverse relationship between addition and subtraction can be sued to find subtraction facts; every subtraction facts has a related addition fact.	Addition and subtraction have an inverse relationship. The inverse relationship between addition and subtraction can be sued to find subtraction facts; every subtraction facts has a related addition fact.	Addition and subtraction have an inverse relationship. The inverse relationship between addition and subtraction can be sued to find subtraction facts; every subtraction facts has a related addition fact.	Addition and subtraction have an inverse relationship. The inverse relationship between addition and subtraction can be sued to find subtraction facts; every subtraction facts has a related addition fact.
3	Differentiation RTI/Enrichment  *SWBAT (behavior) _____ by _____ (performance) _____.	<p>Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students.</p> <p>Strategic Offer extra support (Give them more time to complete their task.)</p> <p>Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).</p>	<p>Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students.</p> <p>Strategic Offer extra support (Give them more time to complete their task.)</p> <p>Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).</p>	<p>Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students.</p> <p>Strategic Offer extra support (Give them more time to complete their task.)</p> <p>Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).</p>	<p>Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students.</p> <p>Strategic Offer extra support (Give them more time to complete their task.)</p> <p>Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).</p>	<p>Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students.</p> <p>Strategic Offer extra support (Give them more time to complete their task.)</p> <p>Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).</p>
4	Vocabulary	<p>Academic Vocabulary: <b>Listen:</b> addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 <b>Read:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition <b>Write:</b> <b>Speak:</b> 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals</p>	<p>Academic Vocabulary: <b>Listen:</b> addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 <b>Read:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition <b>Write:</b> <b>Speak:</b> 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals</p>	<p>Academic Vocabulary: <b>Listen:</b> addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 <b>Read:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition <b>Write:</b> <b>Speak:</b> 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals</p>	<p>Academic Vocabulary: <b>Listen:</b> addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 <b>Read:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition <b>Write:</b> <b>Speak:</b> 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals</p>	<p>Academic Vocabulary: <b>Listen:</b> addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 <b>Read:</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition <b>Write:</b> <b>Speak:</b> 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals</p>
5	Resources (Technology, Other)	<ol style="list-style-type: none"> <li>1. YouTube videos.</li> <li>2. Addition &amp; subtraction Game.</li> <li>3. TANK Game.</li> </ol>	<ol style="list-style-type: none"> <li>1. YouTube videos.</li> <li>2. Addition &amp; subtraction Game.</li> <li>3. TANK Game.</li> </ol>	<ol style="list-style-type: none"> <li>1. YouTube videos.</li> <li>2. Addition &amp; subtraction Game.</li> <li>3. TANK Game.</li> </ol>	<ol style="list-style-type: none"> <li>1. YouTube videos.</li> <li>2. Addition &amp; subtraction Game.</li> <li>3. TANK Game.</li> </ol>	<ol style="list-style-type: none"> <li>1. YouTube videos.</li> <li>2. Addition &amp; subtraction Game.</li> <li>3. TANK Game.</li> </ol>

		4. RACING game. (see links below) 5. Treasure Hunting in Monster's Cave. (True or false) 6. Martial Skills Competition. (True or false)	4. RACING game. (see links below) 5. Treasure Hunting in Monster's Cave. (True or false) 6. Martial Skills Competition. (True or false)	4. RACING game. (see links below) 5. Treasure Hunting in Monster's Cave. (True or false) 6. Martial Skills Competition. (True or false)	4. RACING game. (see links below) 5. Treasure Hunting in Monster's Cave. (True or false) 6. Martial Skills Competition. (True or false)	4. RACING game. (see links below) 5. Treasure Hunting in Monster's Cave. (True or false) 6. Martial Skills Competition. (True or false)
6	Assessment	Informal/Formal Pearson's math worksheet.	Informal/Formal Pearson's math worksheet.	Informal/Formal Pearson's math worksheet.	Informal/Formal Pearson's math worksheet.	Informal/Formal Pearson's math worksheet.

### Math games:

- Add three numbers : 中文 :Click [HERE](#) to play game. (How to play: Use the "right" and left" bottom on the keyboard to select the answer you want, and use "space" to shoot the canon. )
- Addition & Subtraction. Three numbers. (和课程吻合): 中文 :Click [HERE](#) to play game.
- Addition & Subtraction games: 中文 :Click [HERE](#) to play game.
- Addition games: 中文 :Click [HERE](#) to play game.
- Count the Beads (Count how many beads you have and then make ten beads.) **English:**Click [HERE](#) to play game.
- Count the Beads (Count how many beads you have and then make ten beads.) 中文 :Click [HERE](#) to play game.
- Destroying balls by forming pairs that add up to 10. You can also play games that add up to 4 to 15. (English) :Click [HERE](#) to play game.
- Math Way Up - Addition Game (English):Click [HERE](#) to play game.
- 魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click [HERE](#) to play game.
- 比武召集令 Martial Skills Competition. (Math): Click [HERE](#) to play game.

Matching Game Source: [僑委會 OCAC · 全球華文網路教育中心](#)

- Match 10. (To find a GOOD FRIEND, 0&10, 1&9, 2&8, 3&7, 4&6, 5&5, 6&4, 7&3, 8&2, 9&1, 10&0.):  
Click [HERE](#) to play game.  
Click [HERE](#) to play game.  
Click [HERE](#) to play game.
- 巧虎上下数字大挑战小游戏(qiao hu math): Click [HERE](#) to play game.
- Addition & subtraction: Click [HERE](#) to play game.
- Addition: Click [HERE](#) to play game.
- Addition. (Math game with Tom & Jerry): Click [HERE](#) to play game.
- Math game: 巧虎加法连连看(Addition). Click [HERE](#) to play game.
- Bigger or smaller: Click [HERE](#) to play game.
- Subtraction: Click [HERE](#) to play game.
- The little bear divided the cookie. Click [HERE](#) to play game.
- Math Game: Addition. Click [HERE](#) to play game.

Math Game Source: [四則運算出題機 感谢游戏作者颜国雄老师](#)

- Math Game TANK. Click [HERE](#) to play game.
- Math RACING game. Click [HERE](#) to play game.

Math TANK & RACING Game Source: [2P 遊戲式題庫系統之 13-網頁版: Ver 2.2 感谢游戏作者陳榮坤老师](#)