Teacher: wen-hung Huang Grade/Course: 1 ^{or} Math Week: 15th 11/30-12/04 2015	Teacher: Wen-hung Huang	Grade/Course: 1 St Math	Week: 15th 11/30-12/04 2015
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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	М	Т	W	Th	F
1	Standards, Objectives, Purpose ENCOGE	Lesson: 6-3: Using Related Facts. Math Standard(s): 1.OA.6 Domain: Operations and Algebraic Thinking	Lesson: 6-4: Fact Families. Math Standard(s): 1.0A.6 Domain: Operations and Algebraic Thinking	Lesson: 6-5: Using Addition to subtract. Math Standard(s): 1.0A.6 Domain: Operations and Algebraic Thinking	Lesson: 6-5: Using Addition to subtract. Math Standard(s): 1.0A.4 Domain: Operations and Algebraic Thinking	Lesson: 6-6: Subtraction Facts. Math Standard(s): 1.0A.8 Domain: Operations and Algebraic Thinking
2	Anticipatory Set (engagement)	Add three numbers: 中文:Click <u>HERE</u> 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 <u>HERE</u> to play game. Addition & Subtraction games: 中 文:Click <u>HERE</u> to play game.	Add three numbers: 中文:Click <u>HERE</u> 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 <u>HERE</u> to play game. Addition & Subtraction games: 中 文:Click <u>HERE</u> to play game.	Add three numbers: 中文:Click <u>HERE</u> 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 <u>HERE</u> to play game. Addition & Subtraction games: 中 文:Click <u>HERE</u> to play game.	Add three numbers: 中文:Click <u>HERE</u> 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 <u>HERE</u> to play game. Addition & Subtraction games: 中 文:Click <u>HERE</u> to play game.	Add three numbers: 中文: Click <u>HERE</u> 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 <u>HERE</u> to play game. Addition & Subtraction games: 中 文: Click <u>HERE</u> to play game.

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

			1	1	1
	game.	game.	game.	game.	game.
	Click <u>HERE</u> to play				
	game.	game.	game.	game.	game.
	Click <u>HERE</u> to play				
	game. 巧虎上下数字大挑	game. 巧虎上下数字大挑	game. 巧虎上下数字大挑	game. 巧虎上下数字大挑	game. 巧虎上下数字大挑
	战小游戏(qiao hu				
	math): Click <u>HERE</u>				
	to play game.				
	Addition &				
	subtraction: Click				
	HERE to play game.				
	Addition: Click				
	HERE to play game.				
	Addition. (Math game				
	with Tom &				
	Jerry): Click <u>HERE</u>				
	to play game.				
	Math game: 巧虎加				
	法连连看(Addition).	法连连看(Addition).	法连连看(Addition).	法连连看(Addition).	法连连看(Addition).
	Click <u>HERE</u> to play				
	game.	game.	game.	game.	game.
	Bigger or smaller:				
	Click <u>HERE</u> to play				
	game. Subtraction:	game.	game.	game.	game.
		Subtraction:	Subtraction:	Subtraction:	Subtraction:
	Click <u>HERE</u> to play game.				
	The little bear divided				
	the cookie.				
	Click <u>HERE</u> to play				
	game.	game.	game.	game.	game.
	Math Game: Addition.				
	Click <u>HERE</u> to play				
	game.	game.	game.	game.	game.
	Math Game				
	TANK. Click <u>HERE</u>				
	to play game.				
	Math RACING game.				
	Click <u>HERE</u> to play				
Strategies, Skills,	game. Whole Class/Tier 1				
Learning Activities	Essential	Essential Understanding:	Essential Understanding:	Essential	Essential
Domining rouvidos	Understanding:	Listendur Chuerstanding.	Losennia Chuerstanuillg.	Understanding:	Understanding:

		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)	Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students. Strategic Offer extra support (Give them more time to complete their task.)	Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students. Strategic Offer extra support (Give them more time to complete their task.)	Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students. Strategic Offer extra support (Give them more time to complete their task.)	Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students. Strategic Offer extra support (Give them more time to complete their task.)	Intensive Offer extra support (wait longer/ repeat question slowly / repeat question one more time) for intensive students. Strategic Offer extra support (Give them more time to complete their task.)
		Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).	Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).	Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).	Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).	Benchmark Math worksheet: use the fast finishers to be teacher's helpers (Help strategic or intensive students).
4	Vocabulary	Academic Vocabulary: Listen: addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 Read: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition Write: Speak: 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals	Academic Vocabulary: Listen: addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 Read: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition Write: Speak: 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals	Academic Vocabulary: Listen: addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 Read: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition Write: Speak: 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals	Academic Vocabulary: Listen: addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18 Read: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition Write: Speak: 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14,15, 16, 17,18, addition, plus, equals	Academic Vocabulary: Listen: addend, addition, plus, equals, number sentence, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 Read: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, addition Write: Speak: 1, 2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, addition, plus, equals
5	Resources (Technology, Other)	 YouTube videos. Addition & subtraction Game. TANK Game. 	 YouTube videos. Addition & subtraction Game. TANK Game. 	 YouTube videos. Addition & subtraction Game. TANK Game. 	 YouTube videos. Addition & subtraction Game. TANK Game. 	 YouTube videos. Addition & subtraction Game. TANK Game.

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

Math games:

- Add three numbers : $\pm \dot{\chi}$:Click <u>HERE</u> 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 <u>HERE</u> to play game.
- Addition & Subtraction games: 中文 :Click <u>HERE</u> to play game.
- Addition games: 中文:Click <u>HERE</u> to play game.
- Count the Beads (Count how many beads you have and then make ten beads.) **English:**Click <u>HERE</u> to play game.
- Count the Beads (Count how many beads you have and then make ten beads.) 中文:Click <u>HERE</u> 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 <u>HERE</u> to play game.
- Math Way Up Addition Game (English):Click <u>HERE</u> to play game.
- 魔窟尋寶記 Treasure Hunting in Monster's Cave. (Math- True or false): Click <u>HERE</u> to play game.
- 比武召集令 Martial Skills Competition. (Math): Click <u>HERE</u> to play game.

Matching Game Source: <u>僑委會 OCAC · 全球華文網路教育中心</u>

- 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 <u>HERE</u> to play game.
 - Click <u>HERE</u> to play game.
 - Click <u>HERE</u> to play game.
- 巧虎上下数字大挑战小游戏(qiao hu math): Click <u>HERE</u> to play game.
- Addition & subtraction: Click <u>HERE</u> to play game.
- Addition: Click <u>HERE</u> to play game.
- Addition. (Math game with Tom & Jerry): Click <u>HERE</u> to play game.
- Math game: 巧虎加法连连看(Addition). Click <u>HERE</u> to play game.
- Bigger or smaller: Click <u>HERE</u> to play game.
- Subtraction: Click <u>HERE</u> to play game.
- The little bear divided the cookie. Click <u>HERE</u> to play game.
- Math Game: Addition. Click <u>HERE</u> 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 <u>HERE</u> to play game.
- Math RACING game. Click <u>HERE</u> 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