



# Addition & Subtraction Strategies

Grades 3-5:  
Providing “Hope”

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1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)

57 Known Facts  
64 Facts to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles

65 Known Facts  
56 Facts to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property

65 Known Facts  
28 Facts to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property
6. + 2 (Counting On)

79 Known Facts  
21 Facts to Go

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



1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property
6. + 2 (Counting On)
7. Subitizing on 10 Frame /  
Combos to  
Make 10

83 Known Facts  
19 Facts to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property
  
6. + 2 (Counting On)
7. Subitizing on 10 Frame /  
Combos to Make 10
8. Go through 10

113 Known Facts  
4 Facts to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property
6. + 2 (Counting On)
7. Subitizing on 10 Frame /  
Combos to Make 10
8. Go through 10
9. + 5 / Go through 5  
(Visualize the 10 frame)
- 119 Known Facts  
1 Fact to Go

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

1. Zero Property
2. + 1 (Counting On)
3. + 10 (teen numbers)
4. Doubles
5. Commutative Property
  
6. + 2 (Counting On)
7. Subitizing on 10 Frame /  
Combos to  
Make 10
8. Go through 10
9. + 5 / Go  
through 5  
(Visualize the 10 frame)
10. Memorize 6 + 3

121 Known Facts

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

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

- -0 & number minus itself
- -1 & -2 /close together numbers (Count back a couple or count on a couple)
- Back 10 / Back to 10 (The teen numbers)
- Up through & Back through 5 (e.g., "it takes 2 to get from 3 to 5 and one more to get to 6,  $2 + 1$  is 3" OR  $6 - 3 = 6 - 1 - 2$ ) (visualize the 10 frame)
- Back through 10 (e.g.,  $13 - 4 = 13 - 3 - 1$ )
- Up through 10 (e.g.  $13 - 9$  "count on 1 to get 10 and 3 more to get to 13, so 9 is 4 away from 13")
- Think addition / Think addition doubles ( $13 - 9 = ?$  Is the same as  $9 + ? = 13$ )