

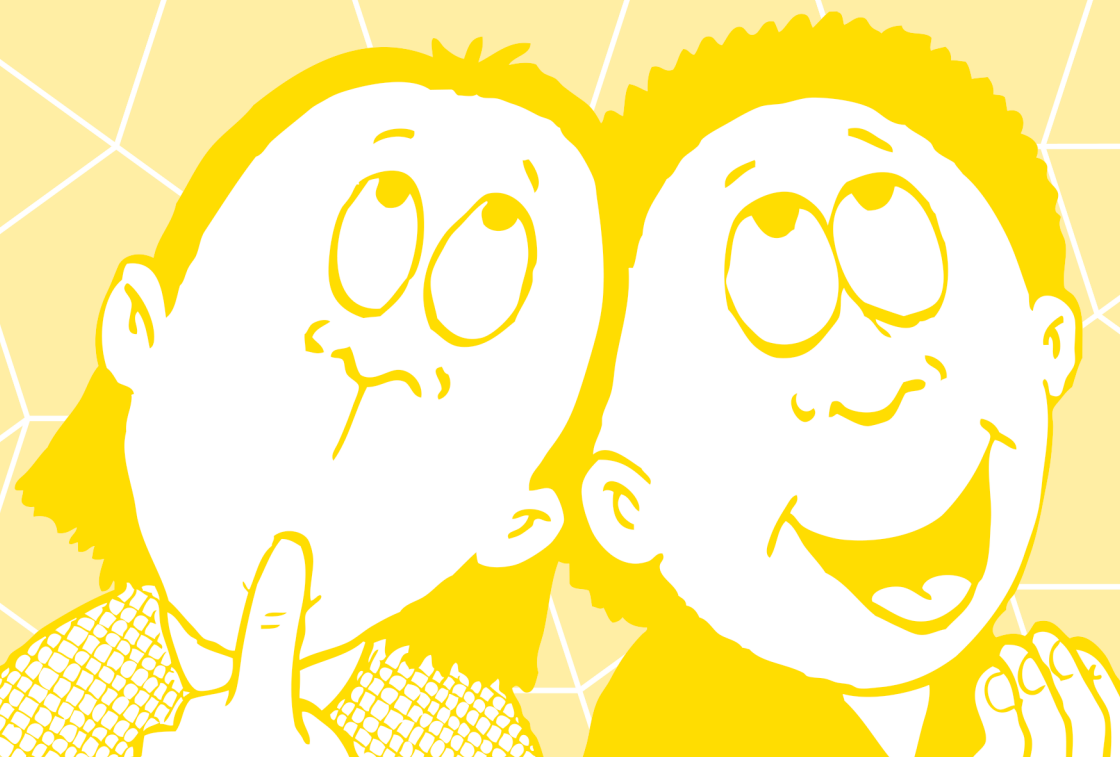
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# NumberSense

MENTAL MATHEMATICS

English

Teacher Guide



# **NumberSense: Manipulating Numbers**

## **Workbook 3**

This guide contains suggested activities linked to each page in the corresponding NumberSense Workbook.

Questions are asked in such a way that they should reveal certain patterns that children need to discover. In this guide, there are dedicated intervals in which to ask the children questions such as, “What do you notice?” or “Can you explain how you got your answer?” These questions are to prompt the children to think about and reflect on their answers. The children’s ability to reflect on their own thinking is critical during the learning process. This is a skill that needs to be fostered by the teacher. As the children gain confidence in their own ability, teachers should encourage them to verbalise their understanding and explain their thinking.


Teachers should have the number line for the children to use as a reference. As the children gain more confidence, the teacher may want to omit the visual cue of the number line and have the children answer the questions mentally.

Initially, children may use the beans in order to visualise the question. Workbook 3 introduces the skill of grouping and doubling (refer to pages 6, 13, 34 and 44 of this guide). Children should be encouraged to use the beans in order to understand the concept. Teachers may have to initially demonstrate using the beans in order to scaffold the children’s learning. The goal, however, is for the children to answer the questions in this guide mentally.


The number range of the questions in this guide is generally higher than the questions on the corresponding page. Teachers should be sensitive to the level of the children in their focus group and should adjust the questions asked to a suitable number range.

# Using this Guide


Below is an excerpt from the guide. The blue column contains the information/questions the teacher would ask during the manipulating numbers routine. The answers to the questions can be found in the green column. If a child gives the incorrect response, teachers must use the opportunity to clarify their understanding.


		What the teacher would say		What the child would say
Question Number	Description of activities For Teacher's Reference only	Verbal question to be asked by the teacher	Number Sentence: For Teacher's Reference only	Child's response  (If incorrect, teacher must use the opportunity to clarify the child's understanding)
	Single Digit Arithmetic Arithmetic with Multiples of 10 Completing the 10s Bridging the 10s Doubling & Halving Multiplication Facts	NumberSense Book 3: Page 1		
1		What is 5 plus 5?	$5 + 5 = \square$	10
2		What is 15 plus 5?	$15 + 5 = \square$	20
3		What is 25 plus 5?	$25 + 5 = \square$	30


Please refer to the NumberSense Workbook Series Teacher Guide on Counting, Manipulating Numbers and Solving Problems pages 23-41 for a detailed description of the manipulating numbers activities.


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 1		
1							What is 5 plus 5?	$5 + 5 = \square$	10
2							What is 15 plus 5?	$15 + 5 = \square$	20
3							What is 25 plus 5?	$25 + 5 = \square$	30
4							What is 35 plus 5?	$35 + 5 = \square$	40
5							What is 45 plus 5?	$45 + 5 = \square$	50
							"What do you notice?"		
6							What is 30 plus 5?	$30 + 5 = \square$	35
7							What is 40 plus 5?	$40 + 5 = \square$	45
8							What is 20 plus 5?	$20 + 5 = \square$	25
9							What is 10 plus 5?	$10 + 5 = \square$	15
10							What is 50 plus 5?	$50 + 5 = \square$	55
11							"Do you notice anything?"		
12							What is 10 plus 10?	$10 + 10 = \square$	20
13							What is 20 plus 10?	$20 + 10 = \square$	30
							What is 30 plus 10?	$30 + 10 = \square$	40
15							What is 40 plus 10?	$40 + 10 = \square$	50
16							What is 6 take away 2?	$6 - 2 = \square$	4
17							From what must we take 2 away to give 4? Explain.	$\square - 2 = 4$	6
18							"You may use the beans to help you."		
19							What is 7 take away 3?	$7 - 3 = \square$	4
20							From what must we take 3 away to give 4? Explain.	$\square - 3 = 4$	7
21							What is 6 take away 3?	$6 - 3 = \square$	3
22							From what must we take 3 away to give 3? Explain.	$\square - 3 = 3$	6
23							From what must we take 1 away to give 5? Explain.	$\square - 1 = 5$	6
24							From what must we take 2 away to give 2? Explain.	$\square - 2 = 2$	4
25							From what must we take 2 away to give 4? Explain.	$\square - 2 = 4$	6





	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 2		
1						What is 5 more than 20?	$20 + 5 = \square$	25
2						What is 5 more than 25?	$25 + 5 = \square$	30
3						What is 5 more than 30?	$30 + 5 = \square$	35
4						What is 5 more than 35?	$35 + 5 = \square$	40
5						What is 5 more than 40?	$40 + 5 = \square$	45
6						What is 5 more than 45?	$45 + 5 = \square$	50
7						What is 15 take away 5?	$15 - 5 = \square$	10
8						What is 20 take away 5?	$20 - 5 = \square$	15
9						What is 10 take away 5?	$10 - 5 = \square$	5
10						What is 35 take away 5?	$35 - 5 = \square$	30
11						What is 30 take away 5?	$30 - 5 = \square$	25
12						What is 5 take away 3?	$5 - 3 = \square$	2
13						From what must we take 3 away to give 2?	$\square - 3 = 2$	3
14						What is 6 take away 3?	$6 - 3 = \square$	3
15						From what must we take 3 away to give 3? Explain.	$\square - 3 = 3$	6
16						What is 7 take away 4?	$7 - 4 = \square$	3
17						From what must we take 4 away to give 3?	$\square - 4 = 3$	7
18						What is 5 take away 2?	$5 - 2 = \square$	3
19						What must be taken away from 5 to get 3? Explain.	$5 - \square = 3$	2
20						What is 6 take away 1?	$6 - 1 = \square$	5
21						What must be taken away from 6 to get 5? Explain.	$6 - \square = 5$	1
22						What must be taken away from 7 to get 5?	$7 - \square = 5$	2
23						What must be taken away from 8 to get 5?	$8 - \square = 5$	3
24						What must be taken away from 9 to get 5? Explain.	$9 - \square = 5$	4
25						What must be taken away from 10 to get 5? Explain.	$10 - \square = 5$	5


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 3		
1							What is 7 plus 1?	$7 + 1 = \square$	8
2							What is 8 plus 2?	$8 + 2 = \square$	10
3							What is 10 take away 1?	$10 - 1 = \square$	9
4							What is 9 plus 2?	$9 + 2 = \square$	11
5							What is 11 plus 2?	$11 + 2 = \square$	13
							"Explain how you got your answer."		
6							What is 13 take away 1?	$13 - 1 = \square$	12
7							What is 12 plus 3?	$12 + 3 = \square$	15
8							What is 15 take away 2?	$15 - 2 = \square$	13
9							What is 13 plus 3?	$13 + 3 = \square$	16
10							What is 16 plus 2?	$16 + 2 = \square$	18
11							What is 21 plus 2?	$21 + 2 = \square$	23
12							What is 23 take away 3?	$23 - 3 = \square$	20
13							What is 20 plus 5?	$20 + 5 = \square$	25
14							What is 25 take away 2?	$25 - 2 = \square$	23
15							What is 23 plus 2?	$23 + 2 = \square$	25
16							What is 25 plus 3?	$25 + 3 = \square$	28
17							What is 28 take away 1?	$28 - 1 = \square$	27
18							What is 27 plus 5?	$27 + 5 = \square$	32
19							What is 5 plus 5?	$5 + 5 = \square$	10
20							What is 6 plus 4?	$6 + 4 = \square$	10
21							What is 7 plus 3?	$7 + 3 = \square$	10
22							What is 8 plus 2?	$8 + 2 = \square$	10
23							What is 9 plus 1?	$9 + 1 = \square$	10
24							What is 4 plus 6?	$4 + 6 = \square$	10
25							What is 3 plus 7?	$3 + 7 = \square$	10


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 4		
1						What is 2 plus 1?	$2 + 1 = \square$	3
2						What number, plus 1 will give you 3?	$\square + 1 = 3$	2
3						What is 3 plus 1?	$3 + 1 = \square$	4
4						What number, plus 1 will give you 4?	$\square + 1 = 4$	3
5						What is 5 plus 1?	$5 + 1 = \square$	6
6						What number, plus 1 will give you 6?	$\square + 1 = 6$	5
						"What do you notice?"		
7						What number, plus 1 will give you 8?	$\square + 1 = 8$	7
8						What number, plus 1 will give you 9?	$\square + 1 = 9$	8
9						What number, plus 1 will give you 10?	$\square + 1 = 10$	9
10						What number, plus 2 will give you 3? Explain.	$\square + 2 = 3$	1
11						What number, plus 2 will give you 4?	$\square + 2 = 4$	2
12						What number, plus 2 will give you 5?	$\square + 2 = 5$	3
13						What number, plus 3 will give you 4? Explain.	$\square + 3 = 4$	1
14						What number, plus 3 will give you 7?	$\square + 3 = 7$	4
15						What number, plus 3 will give you 8?	$\square + 3 = 8$	5
16						What number, plus 3 will give you 10? Explain.	$\square + 3 = 10$	7
17						What number, plus 3 will give you 6?	$\square + 3 = 6$	3
18						What number, plus 3 will give you 9?	$\square + 3 = 9$	6
19						From what must we take 1 away to give 4? Explain.	$\square - 1 = 4$	5
20						From what must we take 1 away to give 5?	$\square - 1 = 5$	6
21						From what must we take 1 away to give 6? Explain.	$\square - 1 = 6$	7
22						From what must we take 1 away to give 7?	$\square - 1 = 7$	8
23						From what must we take 1 away to give 8? Explain.	$\square - 1 = 8$	9
24						From what must we take 1 away to give 9?	$\square - 1 = 9$	10
25						From what must we take 1 away to give 10? Explain.	$\square - 1 = 10$	11

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 5		
1							What must be added to 1 to get 3?	$1 + \square = 3$	2
2							What must be added to 21 to get 23?	$21 + \square = 23$	2
3							What must be added to 31 to get 33?	$31 + \square = 33$	2
4							What must be added to 11 to get 13?	$11 + \square = 13$	2
							"Explain how you got your answer."		
5							What must be added to 3 to get 5?	$3 + \square = 5$	2
6							What must be added to 23 to get 25?	$23 + \square = 25$	2
7							What must be added to 33 to get 35?	$33 + \square = 35$	2
8							What must be added to 53 to get 55?	$53 + \square = 55$	2
9							What must be added to 73 to get 75?	$73 + \square = 75$	2
10							What must be added to 13 to get 15?	$13 + \square = 15$	2
							"Explain how you got your answer."		
11							What must be added to 4 to get 7?	$4 + \square = 7$	3
12							What must be added to 24 to get 27?	$24 + \square = 27$	3
13							What must be added to 34 to get 37?	$34 + \square = 37$	3
14							What must be added to 44 to get 47?	$44 + \square = 47$	3
15							What must be added to 84 to get 87?	$84 + \square = 87$	3
16							What must be added to 14 to get 17?	$14 + \square = 17$	3
							"Explain how you got your answer."		
17							What is 10 take away 5?	$10 - 5 = \square$	5
18							What is 10 take away 6?	$10 - 6 = \square$	4
19							What is 10 take away 7?	$10 - 7 = \square$	3
20							What is 20 take away 5?	$20 - 5 = \square$	15
21							What is 20 take away 6?	$20 - 6 = \square$	14
22							What is 20 take away 7?	$20 - 7 = \square$	13
23							What is 12 take away 5?	$12 - 5 = \square$	7
24							What is 12 take away 6?	$12 - 6 = \square$	6
25							What is 12 take away 7?	$12 - 7 = \square$	5


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 6		
1						How much is 2, twos?		4
2						How much is 4, twos?		8
3						How much is 6, twos?		12
4						How much is 12, twos?		24
5						How many twos in 24?		12
						"You may use the beans to help you."		
6						How much is 3, threes?		9
7						How much is 5, threes?		15
8						How much is 4, threes?		12
9						How much is 8, threes?		24
10						How many threes in 12?		4
11						How many threes in 24?		8
						"Explain how you got your answer."		
12						How much is 2, fours?		8
13						How much is 3, fours?		12
14						How much is 6, fours?		24
15						How many fours in 12?		3
16						How many fours in 24?		6
17						How much is 1, six?		6
18						How much is 2, sixes?		12
19						How much is 3, sixes?		18
						"You may use the beans to help you."		
20						How much is 4, sixes?		24
21						How many sixes in 12?		2
22						How many sixes in 24?		4
23						How many twos in 24?		12
24						How many threes in 24?		8
25						How many fours in 24?		6


		Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 7		
1								What is 8 plus 2?	$8 + 2 = \square$	10
2								What is 28 plus 2?	$28 + 2 = \square$	30
3								What is 38 plus 2? Explain.	$38 + 2 = \square$	40
4								What is 18 plus 2?	$18 + 2 = \square$	20
5								What is 8 plus 3?	$8 + 3 = \square$	11
6								What is 28 plus 3?	$28 + 3 = \square$	31
7								What is 48 plus 3? Explain.	$48 + 3 = \square$	51
8								What is 18 plus 3?	$18 + 3 = \square$	21
9								What is 10 take away 2?	$10 - 2 = \square$	8
10								What is 20 take away 2?	$20 - 2 = \square$	18
11								What is 30 take away 2?	$30 - 2 = \square$	28
12								What is 50 take away 2?	$50 - 2 = \square$	48
13								What is 60 take away 2?	$60 - 2 = \square$	58
14								What is 1 doubled?	1 doubled = $\square$	2
15								What is 2 doubled?	2 doubled = $\square$	4
16								What is 3 doubled?	3 doubled = $\square$	6
17								What is 4 doubled?	4 doubled = $\square$	8
18								What is 5 doubled?	5 doubled = $\square$	10
19								What is 6 doubled?	6 doubled = $\square$	12
20								What is 7 doubled?	7 doubled = $\square$	14
21								What is 8 doubled?	8 doubled = $\square$	16
22								What number is doubled to give 10? Explain	$\square$ doubled = 10	5
23								What number is doubled to give 12? Explain	$\square$ doubled = 12	6
24								What number is doubled to give 8? Explain	$\square$ doubled = 8	4
25								What number is doubled to give 6? Explain	$\square$ doubled = 6	3


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 8		
1						What is 13 plus 2?	$13 + 2 = \square$	15
2						What is 15 plus 2?	$15 + 2 = \square$	17
3						What is 17 plus 3?	$17 + 3 = \square$	20
4						What is 20 take away 2?	$20 - 2 = \square$	18
5						What is 18 plus 3?	$18 + 3 = \square$	21
6						What is 21 plus 3?	$21 + 3 = \square$	24
7						What is 24 plus 3?	$24 + 3 = \square$	27
8						What is 27 plus 3?	$27 + 3 = \square$	30
9						What is 30 take away 1?	$30 - 1 = \square$	29
10						What is 29 plus 2?	$29 + 2 = \square$	31
11						What is 31 take away 3?	$31 - 3 = \square$	28
12						What is 28 plus 2?	$28 + 2 = \square$	30
13						What is 30 plus 4?	$30 + 4 = \square$	34
14						What is 34 plus 3?	$34 + 3 = \square$	37
15						What must be added to 4 to get 10?	$4 + \square = 10$	6
16						What must be added to 5 to get 10?	$5 + \square = 10$	5
17						What must be added to 9 to get 10?	$9 + \square = 10$	1
						"Explain how you got your answer."		
18						What must be added to 8 to get 10?	$8 + \square = 10$	2
19						What must be added to 3 to get 10?	$3 + \square = 10$	7
20						What must be added to 1 to get 10?	$1 + \square = 10$	9
21						What must be added to 2 to get 10?	$2 + \square = 10$	8
22						What must be added to 6 to get 10?	$6 + \square = 10$	4
23						What must be added to 7 to get 10?	$7 + \square = 10$	3
24						What must be added to 8 to get 10?	$8 + \square = 10$	2
25						What must be added to 9 to get 10?	$9 + \square = 10$	1


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 9		
1							What is 5 plus 5?	$5 + 5 = \square$	10
2							What is 10 plus 5?	$10 + 5 = \square$	15
3							What is 15 plus 5?	$15 + 5 = \square$	20
4							What is 20 plus 5?	$20 + 5 = \square$	25
5							What is 30 plus 5?	$30 + 5 = \square$	35
6							What is 40 plus 5?	$40 + 5 = \square$	45
7							What is 50 plus 5?	$50 + 5 = \square$	55
8							What is 55 plus 5?	$55 + 5 = \square$	60
9							What is 65 plus 5?	$65 + 5 = \square$	70
10							What is 75 plus 5?	$75 + 5 = \square$	80
							"What do you notice?"		
11							What is 85 plus 5?	$85 + 5 = \square$	90
12							What is 95 plus 5?	$95 + 5 = \square$	100
13							What is 4 plus 6?	$4 + 6 = \square$	10
14							What is 7 plus 3?	$7 + 3 = \square$	10
15							What is 8 plus 2?	$8 + 2 = \square$	10
16							What is 9 plus 1?	$9 + 1 = \square$	10
17							What is 3 plus 7?	$3 + 7 = \square$	10
18							What is 6 plus 4?	$6 + 4 = \square$	10
19							What must be added to 7 to get 10?	$7 + \square = 10$	3
20							What must be added to 4 to get 10?	$4 + \square = 10$	6
							"Explain how you got your answer."		
21							What must be added to 9 to get 10?	$9 + \square = 10$	1
22							What must be added to 2 to get 10?	$2 + \square = 10$	8
23							What must be added to 5 to get 10?	$5 + \square = 10$	5
24							What must be added to 6 to get 10?	$6 + \square = 10$	4
25							What must be added to 8 to get 10?	$8 + \square = 10$	2





	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 10		
1						What is 2 plus 2?	$2 + 2 = \square$	4
2						What is 22 plus 2?	$22 + 2 = \square$	24
3						What is 32 plus 2?	$32 + 2 = \square$	34
4						What is 12 plus 2?	$12 + 2 = \square$	14
						"Explain how you got your answer."		
5						What is 6 plus 2?	$6 + 2 = \square$	8
6						What is 26 plus 2?	$26 + 2 = \square$	28
7						What is 46 plus 2?	$46 + 2 = \square$	48
8						What is 56 plus 2?	$56 + 2 = \square$	58
9						What is 16 plus 2?	$16 + 2 = \square$	18
10						What is 6 plus 3?	$6 + 3 = \square$	9
11						What is 26 plus 3?	$26 + 3 = \square$	29
12						What is 36 plus 3?	$36 + 3 = \square$	39
13						What is 46 plus 3?	$46 + 3 = \square$	49
14						What is 7 plus 3?	$7 + 3 = \square$	10
15						What is 27 plus 3?	$27 + 3 = \square$	30
16						What is 37 plus 3?	$37 + 3 = \square$	40
						"Explain how you got your answer."		
17						What is 17 plus 3?	$17 + 3 = \square$	20
18						What is 8 plus 3?	$8 + 3 = \square$	11
19						What is 28 plus 3?	$28 + 3 = \square$	31
20						What is 18 plus 3?	$18 + 3 = \square$	21
21						What is 9 plus 1?	$9 + 1 = \square$	10
22						What is 9 plus 4?	$9 + 4 = \square$	13
23						What is 29 plus 4?	$29 + 4 = \square$	33
24						What is 39 plus 4?	$39 + 4 = \square$	43
25						What is 19 plus 4?	$19 + 4 = \square$	23


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 11		
1						What is 2 plus 3?	$2 + 3 = \square$	5
2						What is 22 plus 3?	$22 + 3 = \square$	25
3						What is 32 plus 3?	$32 + 3 = \square$	35
4						What is 42 plus 3?	$42 + 3 = \square$	45
5						What is 52 plus 3?	$52 + 3 = \square$	55
						"What do you notice?"		
6						What is 62 plus 3?	$62 + 3 = \square$	65
7						What is 4 plus 3?	$4 + 3 = \square$	7
8						What is 24 plus 3?	$24 + 3 = \square$	27
9						What is 34 plus 3?	$34 + 3 = \square$	37
10						What is 44 plus 3?	$44 + 3 = \square$	47
11						What is 54 plus 3?	$54 + 3 = \square$	57
12						What is 64 plus 3?	$64 + 3 = \square$	67
						"Explain how you got your answer."		
13						What is 6 plus 2?	$6 + 2 = \square$	8
14						What is 26 plus 2?	$26 + 2 = \square$	28
15						What is 36 plus 2?	$36 + 2 = \square$	38
16						What is 7 plus 2?	$7 + 2 = \square$	9
17						What is 27 plus 2?	$27 + 2 = \square$	29
18						What is 37 plus 2?	$37 + 2 = \square$	39
19						What number, plus 2 will give 7?	$\square + 2 = 7$	5
20						What number, plus 2 will give 27?	$\square + 2 = 27$	25
						"Explain how you got your answer."		
21						What number, plus 2 will give 37?	$\square + 2 = 37$	35
22						What number, plus 2 will give 47?	$\square + 2 = 47$	45
23						What number, plus 2 will give 9?	$\square + 2 = 9$	7
24						What number, plus 2 will give 29?	$\square + 2 = 29$	27
25						What number, plus 2 will give 39?	$\square + 2 = 39$	37


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 12		
1						What is 1 doubled?	1 doubled = <input type="text"/>	2
2						What is 2 doubled?	2 doubled = <input type="text"/>	4
3						What is 4 doubled?	4 doubled = <input type="text"/>	8
4						What is 5 doubled?	5 doubled = <input type="text"/>	10
5						What is 10 doubled?	10 doubled = <input type="text"/>	20
6						What is 11 doubled?	11 doubled = <input type="text"/>	22
7						What is 12 doubled?	12 doubled = <input type="text"/>	24
8						What is 3 doubled?	3 doubled = <input type="text"/>	6
9						What is 10 doubled?	10 doubled = <input type="text"/>	20
10						What is 13 doubled?	13 doubled = <input type="text"/>	26
						"Explain how you got your answer."		
11						What is 4 doubled?	4 doubled = <input type="text"/>	8
12						What is 10 doubled?	10 doubled = <input type="text"/>	20
13						What is 14 doubled?	14 doubled = <input type="text"/>	28
14						What must be added to 6 to get 8?	$8 = 6 + \square$	2
15						What must be added to 5 to get 8?	$8 = 5 + \square$	3
16						What must be added to 4 to get 8?	$8 = 4 + \square$	4
17						What must be added to 3 to get 8?	$8 = 3 + \square$	5
						"Explain how you got your answer."		
18						What must be added to 6 to get 7?	$6 + \square = 7$	1
19						What must be added to 5 to get 7?	$5 + \square = 7$	2
20						What must be added to 4 to get 7?	$4 + \square = 7$	3
21						What must be added to 3 to get 7?	$3 + \square = 7$	4
22						What must be added to 5 to get 6?	$5 + \square = 6$	1
23						What must be added to 4 to get 6?	$4 + \square = 6$	2
24						What must be added to 3 to get 6?	$3 + \square = 6$	3
25						What must be added to 2 to get 6?	$2 + \square = 6$	4

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 13		
1							What is 3 plus 3?	$3 + 3 = \square$	6
2							What is 23 plus 3?	$23 + 3 = \square$	26
3							What is 33 plus 3?	$33 + 3 = \square$	36
4							What is 63 plus 3?	$63 + 3 = \square$	66
5							What is 13 plus 3?	$13 + 3 = \square$	16
6							What is 5 plus 3?	$5 + 3 = \square$	8
7							What is 25 plus 3?	$25 + 3 = \square$	28
8							What is 35 plus 3?	$35 + 3 = \square$	38
9							What is 15 plus 3?	$15 + 3 = \square$	18
10							What is 8 plus 2?	$8 + 2 = \square$	10
11							What is 8 plus 3?	$8 + 3 = \square$	11
12							What is 28 plus 3?	$28 + 3 = \square$	31
13							What is 48 plus 3?	$48 + 3 = \square$	51
14							What is 18 plus 3?	$18 + 3 = \square$	21
15							How much is 2, threes?		6
16							How much is 10, threes?		30
17							How much is 12, threes?		36
							"You may use the beans to help you."		
18							How much is 5, threes?		15
19							How much is 10, threes?		30
20							How much is 15, threes?		45
							"Explain how you got your answer."		
21							How much is 2, fives?		10
22							How much is 3, fives?		15
23							How much is 6, fives?		30
24							How much is 10, fives?		50
25							How much is 9, fives?		45


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 14		
1							What is 5 plus 5?	$5 + 5 = \square$	10
2							What is 25 plus 5?	$25 + 5 = \square$	30
3							What is 35 plus 5?	$35 + 5 = \square$	40
4							What is 55 plus 5?	$55 + 5 = \square$	60
5							What is 75 plus 5?	$75 + 5 = \square$	80
							"What do you notice?"		
6							What number, plus 5 will give you 10?	$\square + 5 = 10$	5
7							What number, plus 5 will give you 20?	$\square + 5 = 20$	15
8							What number, plus 5 will give you 30?	$\square + 5 = 30$	25
9							What number, plus 5 will give you 50?	$\square + 5 = 50$	45
10							What number, plus 5 will give you 60?	$\square + 5 = 60$	55
11							What number, plus 5 will give you 80? Explain.	$\square + 5 = 80$	75
12							What is 10 plus 5?	$10 + 5 = \square$	15
13							What is 11 plus 5?	$11 + 5 = \square$	16
14							What is 12 plus 5?	$12 + 5 = \square$	17
15							What is 13 plus 5?	$13 + 5 = \square$	18
16							What is 25 plus 5?	$25 + 5 = \square$	30
17							What is 26 plus 5?	$26 + 5 = \square$	31
18							What is 27 plus 5?	$27 + 5 = \square$	32
19							What is 28 plus 5?	$28 + 5 = \square$	33
20							How much is 2, fives?		10
21							How much is 3, fives?		15
22							How many fives in 15?		3
23							How many fives in 20?		4
24							How many fives in 40?		8
25							How many fives in 50?		10


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 15		
1							What is 10 plus 10?	$10 + 10 = \square$	20
2							What is 20 plus 10?	$20 + 10 = \square$	30
3							What is 30 plus 10?	$30 + 10 = \square$	40
4							What is 40 plus 10?	$40 + 10 = \square$	50
5							What is 50 plus 10?	$50 + 10 = \square$	60
							"What do you notice?"		
6							What is 60 plus 10?	$60 + 10 = \square$	70
7							What is 70 plus 10?	$70 + 10 = \square$	80
8							What is 80 plus 10?	$80 + 10 = \square$	90
9							What is 90 plus 10? Explain.	$90 + 10 = \square$	100
10							What is 40 plus 10?	$40 + 10 = \square$	50
11							What is 80 plus 10?	$80 + 10 = \square$	90
12							What is 20 plus 10?	$20 + 10 = \square$	30
13							What is 50 plus 10?	$50 + 10 = \square$	60
14							What is 30 plus 10?	$30 + 10 = \square$	40
15							What is 70 plus 10?	$70 + 10 = \square$	80
16							How much is 2, 10 cents pieces?	$\square$	20
17							How much is 3, 10 cents pieces?	$\square$	30
18							How much is 5, 10 cents pieces?	$\square$	50
							"Explain how you got your answer."		
19							How much is 7, 10 cents pieces?	$\square$	70
20							How much is 9, 10 cents pieces?	$\square$	90
21							How many 10 cents pieces will give me 20 cents?	$\square$	2
22							How many 10 cents pieces will give me 30 cents?	$\square$	3
23							How many 10 cents pieces will give me 40 cents?	$\square$	4
24							How many 10 cents pieces will give me 60 cents?	$\square$	6
25							How many 10 cents pieces will give me 100 cents?	$\square$	10


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 16		
1						What is 1 plus 5?	$1 + 5 = \square$	6
2						What is 2 plus 5?	$2 + 5 = \square$	7
3						What is 3 plus 5?	$3 + 5 = \square$	8
4						What is 4 plus 5?	$4 + 5 = \square$	9
5						What is 3 plus 2?	$3 + 2 = \square$	5
6						What is 3 plus 4?	$3 + 4 = \square$	7
7						What is 4 plus 4?	$4 + 4 = \square$	8
8						What must we take away from 8 to get 4?	$4 = 8 - \square$	4
9						What must we take away from 10 to get 4?	$4 = 10 - \square$	6
10						What must we take away from 10 to get 6?	$6 = 10 - \square$	4
11						What must we take away from 10 to get 7?	$7 = 10 - \square$	3
12						What must we take away from 10 to get 3?	$3 = 10 - \square$	7
13						What must we take away from 10 to get 5?	$5 = 10 - \square$	5
14						What must we take away from 10 to get 9?	$9 = 10 - \square$	1
						"Explain how you got your answer."		
15						What must we take away from 10 to get 1?	$10 - \square = 1$	9
16						What must we take away from 10 to get 8?	$10 - \square = 8$	2
17						What must we take away from 10 to get 2?	$10 - \square = 2$	8
18						What must we take away from 11 to get 2?	$11 - \square = 2$	9
19						What must we take away from 12 to get 2?	$12 - \square = 2$	10
20						What must we take away from 4 to get 2?	$4 - \square = 2$	2
21						What must we take away from 14 to get 2?	$14 - \square = 2$	12
22						What must we take away from 6 to get 2?	$6 - \square = 2$	4
23						What must we take away from 16 to get 2?	$16 - \square = 2$	14
24						What must we take away from 10 to get 2?	$10 - \square = 2$	8
25						What must we take away from 20 to get 2?	$20 - \square = 2$	18


		Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 17		
1								What is 7 plus 3?	$7 + 3 = \square$	10
2								What is 27 plus 3?	$27 + 3 = \square$	30
3								What is 37 plus 3?	$37 + 3 = \square$	40
								"What do you notice?"		
4								What is 47 plus 3?	$47 + 3 = \square$	50
5								What is 17 plus 3?	$17 + 3 = \square$	20
6								What is 7 plus 3?	$7 + 3 = \square$	10
7								What is 8 plus 3?	$8 + 3 = \square$	11
8								What is 28 plus 3?	$28 + 3 = \square$	31
9								What is 38 plus 3?	$38 + 3 = \square$	41
10								What is 18 plus 3? Explain.	$18 + 3 = \square$	21
11								What is 1 plus 3?	$1 + 3 = \square$	4
12								What is 21 plus 3?	$21 + 3 = \square$	24
13								What is 31 plus 3?	$31 + 3 = \square$	34
14								What is 41 plus 3?	$41 + 3 = \square$	44
15								What is 11 plus 3?	$11 + 3 = \square$	14
16								What is 10 take away 3?	$10 - 3 = \square$	7
17								What is 11 take away 3?	$11 - 3 = \square$	8
18								What is 21 take away 3?	$21 - 3 = \square$	18
								"Explain how you got your answer."		
19								What is 41 take away 3?	$41 - 3 = \square$	38
20								What must we take away from 10 to get 5?	$10 - \square = 5$	5
21								What must we take away from 9 to get 5?	$9 - \square = 5$	4
22								What must we take away from 10 to get 5?	$10 - \square = 5$	5
23								What must we take away from 11 to get 5?	$11 - \square = 5$	6
24								What must we take away from 11 to get 7?	$11 - \square = 7$	4
25								What must we take away from 11 to get 8?	$11 - \square = 8$	3





	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 18		
1							What is 4 plus 4?	$4 + 4 = \square$	8
2							What is 24 plus 4?	$24 + 4 = \square$	28
3							What is 44 plus 4?	$44 + 4 = \square$	48
4							What is 64 plus 4?	$64 + 4 = \square$	68
5							What is 8 plus 2?	$8 + 2 = \square$	10
6							What is 8 plus 4?	$8 + 4 = \square$	12
7							What is 28 plus 4?	$28 + 4 = \square$	32
8							What is 48 plus 4?	$48 + 4 = \square$	52
9							What is 58 plus 4?	$58 + 4 = \square$	62
10							What is 10 plus 10?	$10 + 10 = \square$	20
11							What is 20 plus 10?	$20 + 10 = \square$	30
12							What is 30 plus 10?	$30 + 10 = \square$	40
13							What is 50 plus 10?	$50 + 10 = \square$	60
14							What is 60 plus 10?	$60 + 10 = \square$	70
							"What do you notice?"		
15							How much is 2, fours?		8
16							How much is 4, fours?		16
17							How much is 8, fours?		32
							"You may use the beans to help you."		
18							How much is 3, fours?		12
19							How much is 6, fours?		24
20							How much is 12, fours?		48
21							How much is 5, fours?		20
22							How much is 10, fours?		40
23							How much is 11, fours?		44
24							How much is 12, fours?		48
25							How much is 7, fours?		28


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 19		
1							What is 3 plus 3?	$3 + 3 = \square$	6
2							What is 23 plus 3?	$23 + 3 = \square$	26
3							What is 33 plus 3?	$33 + 3 = \square$	36
4							What is 53 plus 3?	$53 + 3 = \square$	56
5							What is 73 plus 3?	$73 + 3 = \square$	76
6							What is 9 plus 1?	$9 + 1 = \square$	10
7							What is 9 plus 2?	$9 + 2 = \square$	11
8							What is 9 plus 3?	$9 + 3 = \square$	12
9							What is 29 plus 3?	$29 + 3 = \square$	32
10							What is 39 plus 3?	$39 + 3 = \square$	42
11							What is 49 plus 3?	$49 + 3 = \square$	52
12							What is 69 plus 3?	$69 + 3 = \square$	72
13							What is 5 plus 5?	$5 + 5 = \square$	10
14							What is 15 plus 5?	$15 + 5 = \square$	20
15							What is 25 plus 5?	$25 + 5 = \square$	30
16							What is 45 plus 5?	$45 + 5 = \square$	50
17							What is 65 plus 5?	$65 + 5 = \square$	70
							"What do you notice?"		
18							How much is 2, threes?		6
19							How much is 4, threes?		12
20							How much is 5, threes?		15
21							How much is 6, threes?		18
							"You may use the beans to help you."		
22							How much is 2, fives?		10
23							How much is 4, fives?		20
24							How much is 8, fives?		40
25							How much is 10, fives?		50


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 20		
1							What is 1 doubled?	1 doubled = <input type="text"/>	2
2							What is 2 doubled?	2 doubled = <input type="text"/>	4
3							What is 4 doubled?	4 doubled = <input type="text"/>	8
4							What is 3 doubled?	3 doubled = <input type="text"/>	6
5							What is 6 doubled?	6 doubled = <input type="text"/>	12
6							What is 7 doubled?	7 doubled = <input type="text"/>	14
7							What is 5 doubled?	5 doubled = <input type="text"/>	10
8							What is 10 doubled?	10 doubled = <input type="text"/>	20
9							What number is doubled to give 2?	<input type="text"/> doubled = 2	1
10							What number is doubled to give 4?	<input type="text"/> doubled = 4	2
11							What number is doubled to give 6?	<input type="text"/> doubled = 6	3
12							What number is doubled to give 8?	<input type="text"/> doubled = 8	4
13							What number is doubled to give 12?	<input type="text"/> doubled = 12	6
14							What number is doubled to give 14?	<input type="text"/> doubled = 14	7
15							What must we take away from 10 to get 7?	10 - <input type="text"/> = 7	3
16							What must we take away from 9 to get 7? Explain.	9 - <input type="text"/> = 7	2
17							What must we take away from 10 to get 4?	10 - <input type="text"/> = 4	6
18							What must we take away from 9 to get 4?	9 - <input type="text"/> = 4	5
19							What must we take away from 10 to get 3?	10 - <input type="text"/> = 3	7
20							What must we take away from 9 to get 3?	9 - <input type="text"/> = 3	6
21							What must we take away from 10 to get 7?	10 - <input type="text"/> = 7	3
22							What must we take away from 11 to get 7?	11 - <input type="text"/> = 7	4
23							What must we take away from 10 to get 3?	10 - <input type="text"/> = 3	7
24							What must we take away from 11 to get 3?	11 - <input type="text"/> = 3	8
25							What must we take away from 11 to get 4?	11 - <input type="text"/> = 4	7

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 21		
1							What is 2 plus 3?	$2 + 3 = \square$	5
2							What is 22 plus 3?	$22 + 3 = \square$	25
3							What is 32 plus 3?	$32 + 3 = \square$	35
4							What is 42 plus 3?	$42 + 3 = \square$	45
5							What is 12 plus 3?	$12 + 3 = \square$	15
6							What is 5 plus 5?	$5 + 5 = \square$	10
7							What is 5 plus 3?	$5 + 3 = \square$	8
8							What is 25 plus 3?	$25 + 3 = \square$	28
9							What is 35 plus 3?	$35 + 3 = \square$	38
							"Explain how you got your answer."		
10							What is 45 plus 3?	$45 + 3 = \square$	48
11							What is 15 plus 3?	$15 + 3 = \square$	18
12							What is 5 take away 3?	$5 - 3 = \square$	2
13							What is 25 take away 3?	$25 - 3 = \square$	22
14							What is 35 take away 3?	$35 - 3 = \square$	32
15							What is 38 take away 3?	$38 - 3 = \square$	35
16							What is 15 take away 3?	$15 - 3 = \square$	12
							"Explain how you got your answer."		
17							What must be added to 8 to get 10?	$8 + \square = 4$	2
18							What must be added to 8 to get 11?	$8 + \square = 4$	3
19							What must be added to 18 to get 20?	$18 + \square = 4$	2
20							What must be added to 18 to get 21?	$18 + \square = 4$	3
21							What must be added to 28 to get 30?	$28 + \square = 4$	2
22							What must be added to 28 to get 31?	$28 + \square = 4$	3
							"Explain how you got your answer."		
23							What must be added to 38 to get 41?	$38 + \square = 4$	3
24							What must be added to 48 to get 51?	$48 + \square = 4$	3
25							What must be added to 58 to get 61?	$58 + \square = 4$	3


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 22		
1							What is 6 plus 4?	$6 + 4 = \square$	10
2							What is 26 plus 4?	$26 + 4 = \square$	30
3							What is 36 plus 4? Explain.	$36 + 4 = \square$	40
4							What is 16 plus 4?	$16 + 4 = \square$	20
5							What number, plus 6 will give you 10?	$\square + 6 = 10$	4
6							What number, plus 6 will give you 20?	$\square + 6 = 20$	14
7							What number, plus 6 will give you 30?	$\square + 6 = 30$	24
8							What number, plus 6 will give you 40? Explain.	$\square + 6 = 40$	34
9							What number, plus 6 will give you 50?	$\square + 6 = 50$	44
10							What is 2 plus 8?	$2 + 8 = \square$	10
11							What is 22 plus 8?	$22 + 8 = \square$	30
12							What is 32 plus 8?	$32 + 8 = \square$	40
13							What is 42 plus 8?	$42 + 8 = \square$	50
							"Explain how you got your answer."		
14							What is 12 plus 8?	$12 + 8 = \square$	20
15							What number, plus 2 will give you 10?	$\square + 2 = 10$	8
16							What number, plus 2 will give you 20? Explain.	$\square + 2 = 20$	18
17							What number, plus 2 will give you 30?	$\square + 2 = 30$	28
18							What number, plus 2 will give you 40? Explain.	$\square + 2 = 40$	38
19							What number, plus 2 will give you 50? Explain.	$\square + 2 = 50$	48
20							What is 3 plus 7?	$3 + 7 = \square$	10
21							What is 13 plus 7?	$13 + 7 = \square$	20
22							What is 23 plus 7?	$23 + 7 = \square$	30
23							What number, plus 3 will give you 10?	$\square + 3 = 10$	7
24							What number, plus 3 will give you 20? Explain.	$\square + 3 = 20$	17
25							What number, plus 3 will give you 30?	$\square + 3 = 30$	27


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 23		
1							What is 10 plus 10?	$10 + 10 = \square$	20
2							What is 20 plus 10?	$20 + 10 = \square$	30
3							What is 30 plus 10?	$30 + 10 = \square$	40
4							What is 40 plus 10?	$40 + 10 = \square$	50
5							What is 50 plus 10?	$50 + 10 = \square$	60
							"What do you notice?"		
6							What is 60 plus 10?	$60 + 10 = \square$	70
7							What is 70 plus 10?	$70 + 10 = \square$	80
8							What is 80 plus 10?	$80 + 10 = \square$	90
9							What is 90 plus 10?	$90 + 10 = \square$	100
10							What is 10 plus 20?	$10 + 20 = \square$	30
11							What is 20 plus 20?	$20 + 20 = \square$	40
12							What is 3 plus 2?	$3 + 2 = \square$	5
13							What is 30 plus 20?	$30 + 20 = \square$	50
14							What is 4 plus 2?	$4 + 2 = \square$	6
15							What is 40 plus 20?	$40 + 20 = \square$	60
16							What is 5 plus 3?	$5 + 3 = \square$	8
17							What is 50 plus 30?	$50 + 30 = \square$	80
18							What is 5 plus 4?	$5 + 4 = \square$	9
19							What is 50 plus 40?	$50 + 40 = \square$	90
20							What is 5 plus 5?	$5 + 5 = \square$	10
21							What is 50 plus 50?	$50 + 50 = \square$	100
							"Explain how you got your answer."		
22							What is 6 plus 2?	$6 + 2 = \square$	8
23							What is 60 plus 20?	$60 + 20 = \square$	80
24							What is 60 plus 30?	$60 + 30 = \square$	90
25							What is 60 plus 40?	$60 + 40 = \square$	100


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 24		
1						What is 10 take away 1?	$10 - 1 = \square$	9
2						What is 20 take away 1?	$20 - 1 = \square$	19
3						What is 30 take away 1?	$30 - 1 = \square$	29
4						What is 40 take away 1?	$40 - 1 = \square$	39
5						What is 50 take away 1?	$50 - 1 = \square$	49
6						What is 60 take away 1?	$60 - 1 = \square$	59
						"What do you notice?"		
7						What is 70 take away 1?	$70 - 1 = \square$	69
8						What is 80 take away 1?	$80 - 1 = \square$	79
9						What must be added to 2 to get 4?	$2 + \square = 4$	2
10						What must be added to 12 to get 14?	$12 + \square = 14$	2
11						What must be added to 22 to get 24?	$22 + \square = 24$	2
12						What must be added to 32 to get 34?	$32 + \square = 34$	2
13						What must we take away from 4 to get 2?	$4 - \square = 2$	2
14						What must we take away from 14 to get 12?	$14 - \square = 12$	2
15						What must we take away from 24 to get 22?	$24 - \square = 22$	2
16						What must we take away from 34 to get 32?	$34 - \square = 32$	2
17						What must we take away from 54 to get 52? Explain.	$54 - \square = 52$	2
18						What must be added to 6 to get 10?	$6 + \square = 10$	4
19						What must be added to 16 to get 20?	$16 + \square = 20$	4
20						What must be added to 26 to get 30?	$26 + \square = 30$	4
21						What must be added to 36 to get 40?	$36 + \square = 40$	4
22						What must be added to 76 to get 80?	$76 + \square = 80$	4
23						What must be added to 10 to get 14?	$10 + \square = 14$	4
24						What must be added to 30 to get 34?	$30 + \square = 34$	4
25						What must be added to 60 to get 64?	$60 + \square = 64$	4


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 25		
1							What is 1 more than 9?	$9 + 1 = \square$	10
2							What is 1 more than 29?	$29 + 1 = \square$	30
3							What is 1 more than 79?	$79 + 1 = \square$	80
4							What is 1 more than 19?	$19 + 1 = \square$	20
							"What do you notice?"		
5							What is 1 more than 20?	$20 + 1 = \square$	21
6							What is 1 more than 30?	$30 + 1 = \square$	31
7							What is 1 more than 60?	$60 + 1 = \square$	61
8							What is 1 more than 90?	$90 + 1 = \square$	91
9							What is 1 more than 100?	$100 + 1 = \square$	101
10							What is 1 less than 9?	$9 - 1 = \square$	8
11							What is 1 less than 29?	$29 - 1 = \square$	28
12							What is 1 less than 59?	$59 - 1 = \square$	58
13							What is 1 less than 79?	$79 - 1 = \square$	78
14							What is 1 less than 109?	$109 - 1 = \square$	108
15							What is 1 less than 19?	$19 - 1 = \square$	18
16							What is 1 less than 10?	$10 - 1 = \square$	9
17							What is 1 less than 30?	$30 - 1 = \square$	29
18							What is 1 less than 60?	$60 - 1 = \square$	59
19							What number, plus 3 will give 20?	$\square + 3 = 20$	17
20							What number, plus 3 will give 21?	$\square + 3 = 21$	18
21							What number, plus 3 will give 22?	$\square + 3 = 22$	19
22							What number, plus 3 will give 23?	$\square + 3 = 23$	20
23							What number, plus 4 will give 20?	$\square + 4 = 20$	16
24							What number, plus 4 will give 21?	$\square + 4 = 21$	17
25							What number, plus 4 will give 22?	$\square + 4 = 22$	18





	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 26		
1							What must we take away from 10 to get 6?	$10 - \square = 6$	4
2							What must we take away from 11 to get 6?	$11 - \square = 6$	5
3							What must we take away from 12 to get 6?	$12 - \square = 6$	6
4							What must be subtracted from 13 to get 6?	$13 - \square = 6$	7
5							What must be subtracted from 14 to get 6?	$14 - \square = 6$	8
							"Explain how you got your answer."		
6							What must be subtracted from 15 to get 6?	$15 - \square = 6$	9
7							What must be subtracted from 16 to get 6?	$16 - \square = 6$	10
8							What must be subtracted from 10 to get 7?	$10 - \square = 7$	3
9							What must be subtracted from 20 to get 7?	$20 - \square = 7$	13
10							What must be subtracted from 30 to get 7?	$30 - \square = 7$	23
11							What must be subtracted from 10 to get 7?	$10 - \square = 7$	3
12							What must be subtracted from 11 to get 7?	$11 - \square = 7$	4
							"Explain how you got your answer."		
13							What must be subtracted from 21 to get 7?	$21 - \square = 7$	14
14							What must be subtracted from 31 to get 7?	$31 - \square = 7$	24
15							What must be subtracted from 10 to get 7?	$10 - \square = 7$	3
16							What must be subtracted from 12 to get 7?	$12 - \square = 7$	5
17							What must be subtracted from 22 to get 7?	$22 - \square = 7$	15
18							What must be subtracted from 32 to get 7?	$32 - \square = 7$	25
19							How much is 4, threes?		12
20							How much is 8, threes?		24
21							How much is 9, threes?		27
							"You may use the beans to help you."		
22							How many threes in 9?		3
23							How many threes in 15?		5
24							How many threes in 18?		6
25							How many threes in 21?		7


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 27		
1							What is 1 doubled?	1 doubled = <input type="text"/>	2
2							What is 10 doubled?	10 doubled = <input type="text"/>	20
3							What is 2 doubled?	2 doubled = <input type="text"/>	4
4							What is 20 doubled?	20 doubled = <input type="text"/>	40
5							What is 3 doubled?	3 doubled = <input type="text"/>	6
6							What is 30 doubled?	30 doubled = <input type="text"/>	60
							"What do you notice?"		
7							What is 4 doubled?	4 doubled = <input type="text"/>	8
8							What is 40 doubled?	40 doubled = <input type="text"/>	80
9							What is 5 doubled?	5 doubled = <input type="text"/>	10
10							What is 50 doubled?	50 doubled = <input type="text"/>	100
							"Explain how you got your answer."		
11							How much is 2, tens?		20
12							How much is 4, tens?		40
13							How much is 5, tens?		50
14							How much is 6, tens?		60
							"You may use the beans to help you."		
15							How much is 3, tens?		30
16							How much is 7, tens?		70
17							How much is 8, tens?		80
18							How much is 10, tens?		100
19							How many tens in 50?		5
20							How many tens in 20?		2
21							How many tens in 30?		3
22							How many tens in 40?		4
23							How many tens in 60?		6
24							How many tens in 70?		7
25							How many tens in 100?		10


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 28		
1						What is 10 minus 2?	$10 - 2 = \square$	8
2						What is 20 minus 2?	$20 - 2 = \square$	18
3						What is 19 minus 2?	$19 - 2 = \square$	17
4						What is 20 minus 2?	$20 - 2 = \square$	18
5						What is 21 minus 2?	$21 - 2 = \square$	19
						"Explain how you got your answer."		
6						What is 22 minus 2?	$22 - 2 = \square$	20
7						What is 10 minus 3?	$10 - 3 = \square$	7
8						What is 20 minus 3?	$20 - 3 = \square$	17
9						What is 21 minus 3?	$21 - 3 = \square$	18
10						What is 22 minus 3?	$22 - 3 = \square$	19
11						What is 1 plus 9?	$1 + 9 = \square$	10
12						What is 11 plus 9?	$11 + 9 = \square$	20
13						What is 21 plus 9?	$21 + 9 = \square$	30
14						What is 31 plus 9?	$31 + 9 = \square$	40
						"Explain how you got your answer."		
15						What is 1 plus 9?	$1 + 9 = \square$	10
16						What is 2 plus 9?	$2 + 9 = \square$	11
17						What is 12 plus 9?	$12 + 9 = \square$	21
18						What is 22 plus 9?	$22 + 9 = \square$	31
19						What is 1 plus 9?	$1 + 9 = \square$	10
20						What is 3 plus 9?	$3 + 9 = \square$	12
21						What is 13 plus 9?	$13 + 9 = \square$	22
22						What is 23 plus 9?	$23 + 9 = \square$	32
23						What is 1 plus 9?	$1 + 9 = \square$	10
24						What is 4 plus 9?	$4 + 9 = \square$	13
25						What is 24 plus 9?	$24 + 9 = \square$	33

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 29		
1							What is 10 plus 10?	$10 + 10 = \square$	20
2							What is 20 plus 10?	$20 + 10 = \square$	30
3							What is 30 plus 10?	$30 + 10 = \square$	40
4							What is 40 plus 10?	$40 + 10 = \square$	50
5							What is 50 plus 10?	$50 + 10 = \square$	60
6							What is 60 plus 10?	$60 + 10 = \square$	70
7							What is 70 plus 10?	$70 + 10 = \square$	80
							"Explain how you got your answer."		
8							What is 80 plus 10?	$80 + 10 = \square$	90
9							What is 90 plus 10?	$90 + 10 = \square$	100
10							What is 100 plus 10?	$100 + 10 = \square$	110
11							How much is 3, tens?		30
12							How much is 6, tens?		60
13							How much is 2, tens?		20
14							How much is 4, tens?		40
15							How much is 8, tens?		80
16							How much is 5, tens?		50
17							How much is 10, tens?		100
18							How much is 11, tens?		110
							"You may use the beans to help you."		
19							How much is 12, tens?		120
20							How many tens in 30?		3
21							How many tens in 50?		5
22							How many tens in 70?		7
23							How many tens in 90?		9
24							How many tens in 100?		10
25							How many tens in 110?		11


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 30		
1							What is 4 plus 4?	$4 + 4 = \square$	8
2							What is 5 plus 4?	$5 + 4 = \square$	9
3							What is 25 plus 4?	$25 + 4 = \square$	29
4							What is 35 plus 4?	$35 + 4 = \square$	39
5							What is 15 plus 4?	$15 + 4 = \square$	19
							"What do you notice?"		
6							What number plus 4 will give 7?	$\square + 4 = 7$	3
7							What number plus 4 will give 27?	$\square + 4 = 27$	23
8							What number plus 4 will give 37?	$\square + 4 = 37$	33
9							What number plus 4 will give 47?	$\square + 4 = 47$	43
							"Explain how you got your answer."		
10							What number plus 4 will give 17?	$\square + 4 = 17$	13
11							What is 4 plus 6?	$4 + 6 = \square$	10
12							What is 24 plus 6?	$24 + 6 = \square$	30
13							What is 34 plus 6?	$34 + 6 = \square$	40
14							What is 44 plus 6?	$44 + 6 = \square$	50
15							What is 54 plus 6?	$54 + 6 = \square$	60
16							What is 14 plus 6?	$14 + 6 = \square$	20
17							What number plus 6 will give 10?	$\square + 6 = 10$	4
18							What number plus 6 will give 20?	$\square + 6 = 20$	14
19							What number plus 6 will give 30?	$\square + 6 = 30$	24
20							What number plus 6 will give 40?	$\square + 6 = 40$	34
							"Explain how you got your answer."		
21							What number plus 7 will give 10?	$\square + 7 = 10$	3
22							What number plus 7 will give 20?	$\square + 7 = 20$	13
23							What number plus 7 will give 30?	$\square + 7 = 30$	23
24							What number plus 7 will give 40?	$\square + 7 = 40$	33
25							What number plus 7 will give 50?	$\square + 7 = 50$	43


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 31		
1							What is 10 plus 10?	$10 + 10 = \square$	20
2							What is 20 plus 10?	$20 + 10 = \square$	30
3							What is 30 plus 10?	$30 + 10 = \square$	40
4							What is 40 plus 10?	$40 + 10 = \square$	50
							"What do you notice?"		
5							What is 50 plus 10?	$50 + 10 = \square$	60
6							What is 60 plus 10?	$60 + 10 = \square$	70
7							What is 70 plus 10?	$70 + 10 = \square$	80
8							What is 80 plus 10?	$80 + 10 = \square$	90
9							What is 90 plus 10?	$90 + 10 = \square$	100
10							What is 100 plus 10?	$100 + 10 = \square$	110
							"Explain how you got your answer."		
11							What is 10 plus 10?	$10 + 10 = \square$	20
12							What is 110 plus 10?	$110 + 10 = \square$	120
13							What is 20 plus 10?	$20 + 10 = \square$	30
14							What is 120 plus 10?	$120 + 10 = \square$	130
15							What is 5 plus 2?	$5 + 2 = \square$	7
16							What is 50 plus 20?	$50 + 20 = \square$	70
17							What is 5 plus 4?	$5 + 4 = \square$	9
18							What is 50 plus 40?	$50 + 40 = \square$	90
19							What is 4 plus 4?	$4 + 4 = \square$	8
20							What is 40 plus 40?	$40 + 40 = \square$	80
21							What is 6 plus 4?	$6 + 4 = \square$	10
22							What is 60 plus 40?	$60 + 40 = \square$	100
23							What is 8 plus 2?	$8 + 2 = \square$	10
24							What is 80 plus 20?	$80 + 20 = \square$	100
25							What is 70 plus 30?	$70 + 30 = \square$	100


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 32		
1						What must be added to 1 to get 4?	$1 + \square = 4$	3
2						What must be added to 21 to get 24?	$21 + \square = 24$	3
3						What must be added to 31 to get 34?	$31 + \square = 34$	3
4						What must be added to 41 to get 44?	$41 + \square = 44$	3
						"Explain how you got your answer."		
5						What must be added to 11 to get 64?	$11 + \square = 14$	3
6						What must be added to 8 to get 100?	$8 + \square = 10$	2
7						What must be added to 28 to get 30?	$28 + \square = 30$	2
8						What must be added to 38 to get 40?	$38 + \square = 40$	2
9						What must be added to 48 to get 50?	$48 + \square = 50$	2
10						What must be added to 58 to get 60?	$58 + \square = 60$	2
11						What must be added to 37 to get 40?	$37 + \square = 40$	3
						"Explain how you got your answer."		
12						What must be added to 8 to get 10?	$8 + \square = 10$	2
13						What must be added to 8 to get 11?	$8 + \square = 11$	3
14						What must be added to 28 to get 31?	$28 + \square = 31$	3
15						What must be added to 38 to get 41?	$38 + \square = 41$	3
16						What must be added to 48 to get 51?	$48 + \square = 51$	3
17						What must be added to 58 to get 61?	$58 + \square = 61$	3
18						What must be added to 57 to get 61?	$57 + \square = 61$	4
19						What must be subtracted from 8 to get 6?	$8 - \square = 6$	2
20						What must be subtracted from 28 to get 26?	$28 - \square = 26$	2
21						What must be subtracted from 38 to get 36?	$38 - \square = 36$	2
22						What must be subtracted from 48 to get 46?	$48 - \square = 46$	2
23						What must be subtracted from 58 to get 56?	$58 - \square = 56$	2
24						What must be subtracted from 68 to get 66?	$68 - \square = 66$	2
25						What must be subtracted from 98 to get 96?	$98 - \square = 96$	2


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 33		
1							What is 2 doubled?	2 doubled = <input type="text"/>	4
2							What is 4 doubled?	4 doubled = <input type="text"/>	8
3							What is 5 doubled?	5 doubled = <input type="text"/>	10
4							What is 6 doubled?	6 doubled = <input type="text"/>	12
5							What is 7 doubled?	7 doubled = <input type="text"/>	14
6							What is 8 doubled?	8 doubled = <input type="text"/>	16
7							What is 9 doubled?	9 doubled = <input type="text"/>	18
8							What is 10 doubled?	10 doubled = <input type="text"/>	20
9							What is 11 doubled?	11 doubled = <input type="text"/>	22
10							What is 12 doubled?	12 doubled = <input type="text"/>	24
11							What is 15 doubled?	15 doubled = <input type="text"/>	30
12							What is 16 doubled?	16 doubled = <input type="text"/>	32
13							What is 17 doubled?	17 doubled = <input type="text"/>	34
							"Explain how you got your answer."		
14							What is 10 doubled?	10 doubled = <input type="text"/>	20
15							What is 7 doubled?	7 doubled = <input type="text"/>	14
16							What is 17 doubled?	17 doubled = <input type="text"/>	34
							"Explain how you got your answer."		
17							What is 10 doubled?	10 doubled = <input type="text"/>	20
18							What is 8 doubled?	8 doubled = <input type="text"/>	16
19							What is 18 doubled?	18 doubled = <input type="text"/>	36
20							What is half of 36?	36 halved = <input type="text"/>	18
21							What is half of 18?	18 halved = <input type="text"/>	9
22							What is half of 28?	28 halved = <input type="text"/>	14
23							What is half of 14?	14 halved = <input type="text"/>	7
24							What is half of 24?	24 halved = <input type="text"/>	12
25							What is half of 12?	12 halved = <input type="text"/>	6





	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 34		
1						How much is 2, twos?		4
2						How much is 4, twos?		8
3						How much is 8, twos?		16
4						How much is 16, twos?		32
						"You may use the beans to help you."		
5						How much is 3, twos?		6
6						How much is 6, twos?		12
7						How much is 12, twos?		24
8						How much is 10, twos?		20
9						How much is 8, twos?		16
10						How much is 18, twos?		36
						"Explain how you got your answer."		
11						How much is 2, fours?		8
12						How much is 4, fours?		16
13						How much is 3, fours?		12
14						How much is 6, fours?		24
15						How much is 8, fours?		32
16						How much is 9, fours?		36
						"You may use the beans to help you."		
17						How many fours in 8?		2
18						How many fours in 12?		3
19						How many fours in 16?		4
20						How many fours in 32?		8
21						How many fours in 36?		9
22						How many sixes in 18?		3
23						How many sixes in 24?		4
24						How many sixes in 30?		5
25						How many sixes in 36?		6


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 35		
1							What is 2 plus 3?	$2 + 3 = \square$	5
2							What is 22 plus 3?	$22 + 3 = \square$	25
3							What is 32 plus 3?	$32 + 3 = \square$	35
4							What is 42 plus 3?	$42 + 3 = \square$	45
							"What do you notice?"		
5							What is 1 plus 4?	$1 + 4 = \square$	5
6							What is 21 plus 4?	$21 + 4 = \square$	25
7							What is 31 plus 4?	$31 + 4 = \square$	35
8							What is 41 plus 4?	$41 + 4 = \square$	45
9							What is 71 plus 4?	$71 + 4 = \square$	75
							"Explain how you got your answer."		
10							What is 20 minus 4?	$20 - 4 = \square$	16
11							What is 21 minus 4?	$21 - 4 = \square$	17
12							What is 22 minus 4?	$22 - 4 = \square$	18
13							What is 23 minus 4?	$23 - 4 = \square$	19
14							What is 24 minus 4?	$24 - 4 = \square$	20
15							What is 20 minus 5?	$20 - 5 = \square$	15
16							What is 21 minus 5?	$21 - 5 = \square$	16
17							What is 22 minus 5?	$22 - 5 = \square$	17
18							What is 23 minus 5?	$23 - 5 = \square$	18
19							What is 25 minus 5?	$25 - 5 = \square$	20
							"What do you notice?"		
20							What number, plus 6 will give you 16?	$16 = \square + 6$	10
21							What number, plus 7 will give you 16?	$16 = \square + 7$	9
22							What number, plus 8 will give you 16?	$16 = \square + 8$	8
23							What number, plus 6 will give you 26?	$26 = \square + 6$	20
24							What number, plus 7 will give you 26?	$26 = \square + 7$	19
25							What number, plus 8 will give you 26?	$26 = \square + 8$	18


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 36		
1							What must we take away from 14 to get 10?	$10 = 14 - \square$	4
2							What must we take away from 14 to get 12?	$12 = 14 - \square$	2
3							What must we take away from 16 to get 12?	$12 = 16 - \square$	4
4							What must we take away from 18 to get 12?	$12 = 18 - \square$	6
5							What must we take away from 20 to get 12?	$12 = 20 - \square$	8
6							What must we take away from 4 to get 2?	$4 - \square = 2$	2
7							What must we take away from 24 to get 22?	$24 - \square = 22$	2
8							What must we take away from 34 to get 32?	$34 - \square = 32$	2
9							What must we take away from 14 to get 12?	$14 - \square = 12$	2
10							What must we take away from 6 to get 2?	$6 - \square = 2$	4
11							What must we take away from 26 to get 22?	$26 - \square = 22$	4
12							What must we take away from 36 to get 32?	$36 - \square = 32$	4
13							What must we take away from 16 to get 12?	$16 - \square = 12$	4
14							What must we take away from 8 to get 2?	$8 - \square = 2$	6
15							What must we take away from 28 to get 22?	$28 - \square = 22$	6
16							What must we take away from 38 to get 32?	$38 - \square = 32$	6
17							What must we take away from 18 to get 12?	$18 - \square = 12$	6
18							What must be added to 5 to get 15?	$5 + \square = 15$	10
19							What must be added to 4 to get 15?	$4 + \square = 15$	11
20							What must be added to 3 to get 15?	$3 + \square = 15$	12
21							What must be added to 10 to get 15?	$10 + \square = 15$	5
22							What must be added to 9 to get 15?	$9 + \square = 15$	6
23							What must be added to 8 to get 15?	$8 + \square = 15$	7
24							What must be added to 8 to get 14?	$8 + \square = 14$	6

	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 37		
1						What is 30 plus 10?	$30 + 10 = \square$	40
2						What is 40 plus 10?	$40 + 10 = \square$	50
3						What is 50 plus 10?	$50 + 10 = \square$	60
4						What is 60 plus 10?	$60 + 10 = \square$	70
5						What is 70 plus 10?	$70 + 10 = \square$	80
6						What is 80 plus 10?	$80 + 10 = \square$	90
7						What is 90 plus 10?	$90 + 10 = \square$	100
8						What is 100 plus 10?	$100 + 10 = \square$	110
9						What is 10 plus 10?	$10 + 10 = \square$	20
10						What is 110 plus 10?	$110 + 10 = \square$	120
						"Explain how you got your answer."		
11						What is 20 plus 10?	$20 + 10 = \square$	30
12						What is 120 plus 10?	$120 + 10 = \square$	130
13						What is 50 plus 10?	$50 + 10 = \square$	60
14						What is 50 plus 20?	$50 + 20 = \square$	70
15						What is 50 plus 30?	$50 + 30 = \square$	80
16						What is 50 plus 40?	$50 + 40 = \square$	90
17						What is 5 plus 5?	$5 + 5 = \square$	10
18						What is 15 plus 5?	$15 + 5 = \square$	20
19						What is 25 plus 5?	$25 + 5 = \square$	30
						"What do you notice?"		
20						What is 35 plus 5?	$35 + 5 = \square$	40
21						What is 45 plus 5?	$45 + 5 = \square$	50
22						What is 10 plus 5?	$10 + 5 = \square$	15
23						What is 20 plus 5?	$20 + 5 = \square$	25
24						What is 30 plus 5?	$30 + 5 = \square$	35
25						What is 40 plus 5?	$40 + 5 = \square$	45


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 38		
1						What is 1 plus 3?	$1 + 3 = \square$	4
2						What is 21 plus 3?	$21 + 3 = \square$	24
3						What is 31 plus 3?	$31 + 3 = \square$	34
4						What is 41 plus 3?	$41 + 3 = \square$	44
						"Explain how you got your answer."		
5						What is 71 plus 3?	$71 + 3 = \square$	74
6						What is 5 plus 3?	$5 + 3 = \square$	8
7						What is 25 plus 3?	$25 + 3 = \square$	28
8						What is 35 plus 3?	$35 + 3 = \square$	38
9						What is 45 plus 3?	$45 + 3 = \square$	48
10						What is 65 plus 3?	$65 + 3 = \square$	68
11						What is 75 plus 3?	$75 + 3 = \square$	78
12						What is 7 plus 3?	$7 + 3 = \square$	10
13						What is 27 plus 3?	$27 + 3 = \square$	30
14						What is 37 plus 3?	$37 + 3 = \square$	40
15						What is 47 plus 3?	$47 + 3 = \square$	50
16						What is 57 plus 3?	$57 + 3 = \square$	60
17						What is 8 plus 2?	$8 + 2 = \square$	10
18						What is 8 plus 3?	$8 + 3 = \square$	11
19						What is 28 plus 2?	$28 + 2 = \square$	30
20						What is 28 plus 3?	$28 + 3 = \square$	31
21						What is 38 plus 2?	$38 + 2 = \square$	40
22						What is 38 plus 3?	$38 + 3 = \square$	41
						"Explain how you got your answer."		
23						What is 48 plus 3?	$48 + 3 = \square$	51
24						What is 58 plus 3?	$58 + 3 = \square$	61
25						What is 88 plus 3?	$88 + 3 = \square$	91


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 39		
1							What is 8 plus 2?	$8 + 2 = \square$	10
2							What is 28 plus 2?	$28 + 2 = \square$	30
3							What is 38 plus 2?	$38 + 2 = \square$	40
							"What do you notice?"		
4							What is 48 plus 2?	$48 + 2 = \square$	50
5							What is 18 plus 2?	$18 + 2 = \square$	20
6							What is 8 plus 2?	$8 + 2 = \square$	10
7							What is 8 plus 3?	$8 + 3 = \square$	11
8							What is 8 plus 4?	$8 + 4 = \square$	12
9							What is 8 plus 5?	$8 + 5 = \square$	13
10							What is 28 plus 5?	$28 + 5 = \square$	33
							"Explain how you got your answer."		
11							What is 38 plus 5?	$38 + 5 = \square$	43
12							What is 48 plus 5?	$48 + 5 = \square$	53
13							What is 18 plus 5?	$18 + 5 = \square$	23
14							What is 2 plus 5?	$2 + 5 = \square$	7
15							What is 22 plus 5?	$22 + 5 = \square$	27
16							What is 32 plus 5?	$32 + 5 = \square$	37
17							What is 42 plus 5?	$42 + 5 = \square$	47
18							What is 72 plus 5?	$72 + 5 = \square$	77
19							What is 92 plus 5?	$92 + 5 = \square$	97
20							What is 5 plus 5?	$5 + 5 = \square$	10
21							What is 7 plus 5?	$7 + 5 = \square$	12
22							What is 27 plus 5?	$27 + 5 = \square$	32
							"Explain how you got your answer."		
23							What is 37 plus 5?	$37 + 5 = \square$	42
24							What is 47 plus 5?	$47 + 5 = \square$	52
25							What is 57 plus 5?	$57 + 5 = \square$	62


	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 40		
1						What is 3 plus 2?	$3 + 2 = \square$	5
2						What is 23 plus 2?	$23 + 2 = \square$	25
3						What is 33 plus 2?	$33 + 2 = \square$	35
4						What is 43 plus 2?	$43 + 2 = \square$	45
						"What do you notice?"		
5						What is 5 plus 2?	$5 + 2 = \square$	7
6						What is 25 plus 2?	$25 + 2 = \square$	27
7						What is 35 plus 2?	$35 + 2 = \square$	37
8						What is 45 plus 2?	$45 + 2 = \square$	47
9						What is 15 plus 2?	$15 + 2 = \square$	17
10						What is 13 plus 2?	$13 + 2 = \square$	15
11						What is 5 plus 2?	$5 + 2 = \square$	7
12						What is 25 plus 2?	$25 + 2 = \square$	27
13						What is 35 plus 2?	$35 + 2 = \square$	37
						"Explain how you got your answer."		
14						What is 8 plus 2?	$8 + 2 = \square$	10
15						What is 9 plus 2?	$9 + 2 = \square$	11
16						What is 29 plus 2?	$29 + 2 = \square$	31
17						What is 39 plus 2?	$39 + 2 = \square$	41
18						What is 49 plus 2?	$49 + 2 = \square$	51
19						How much is 3, twos?		6
20						How much is 6, twos?		12
						"You may use the beans to help you."		
21						How much is 4, twos?		8
22						How much is 8, twos?		16
23						How much is 4, fives?		20
24						How much is 8, fives?		40
25						How much is 10, fives?		50


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 41		
1							What is 10 plus 10?	$10 + 10 = \square$	20
2							What is 40 plus 10?	$40 + 10 = \square$	50
3							What is 30 plus 10?	$30 + 10 = \square$	40
4							What is 60 plus 10?	$60 + 10 = \square$	70
5							What is 20 plus 10?	$20 + 10 = \square$	30
6							What is 50 plus 10?	$50 + 10 = \square$	60
7							What is 70 plus 10?	$70 + 10 = \square$	80
8							What is 80 plus 10?	$80 + 10 = \square$	90
							"What do you notice?"		
9							What is 90 plus 10?	$90 + 10 = \square$	100
10							What is 10 plus 10?	$10 + 10 = \square$	20
11							What is 110 plus 10?	$110 + 10 = \square$	120
12							What is 20 plus 10?	$20 + 10 = \square$	30
13							What is 120 plus 10?	$120 + 10 = \square$	130
							"Explain how you got your answer."		
14							What is 50 plus 10?	$50 + 10 = \square$	60
15							What is 50 plus 20?	$50 + 20 = \square$	70
16							What is 50 plus 30?	$50 + 30 = \square$	80
17							What is 50 plus 40?	$50 + 40 = \square$	90
18							What is 50 plus 50?	$50 + 50 = \square$	100
19							How much is 2, tens?		20
20							How much is 4, tens?		40
21							How much is 8, tens?		80
22							How much is 16, tens?		160
							"Explain how you got your answer."		
23							How much is 3, tens?		30
24							How much is 6, tens?		60
25							How much is 5, tens?		50





	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 42		
1						What is 4 plus 4?	$4 + 4 = \square$	8
2						What is 24 plus 4?	$24 + 4 = \square$	28
3						What is 34 plus 4?	$34 + 4 = \square$	38
4						What is 44 plus 4?	$44 + 4 = \square$	48
						"What do you notice?"		
5						What is 84 plus 4?	$84 + 4 = \square$	88
6						What is 114 plus 4?	$114 + 4 = \square$	118
7						What is 2 plus 4?	$2 + 4 = \square$	6
8						What is 22 plus 4?	$22 + 4 = \square$	26
9						What is 32 plus 4?	$32 + 4 = \square$	36
10						What is 42 plus 4?	$42 + 4 = \square$	46
11						What is 52 plus 4?	$52 + 4 = \square$	56
12						What is 12 plus 4?	$12 + 4 = \square$	16
13						What is 6 plus 4?	$6 + 4 = \square$	10
14						What is 26 plus 4?	$26 + 4 = \square$	30
15						What is 36 plus 4?	$36 + 4 = \square$	40
16						What is 46 plus 4?	$46 + 4 = \square$	50
						"Explain how you got your answer."		
17						What is 8 plus 4?	$8 + 4 = \square$	12
18						What is 28 plus 4?	$28 + 4 = \square$	32
19						What is 38 plus 4?	$38 + 4 = \square$	42
20						What is 68 plus 4?	$68 + 4 = \square$	72
21						How much is 10, fours?		40
22						How much is 4, tens?		40
						"You may use the beans to help you."		
23						How much is 10, threes?		30
24						How much is 3, tens?		30
25						How much is 2, threes?		6


	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 43		
1							What must be added to 5 to get 10?	$5 + \square = 10$	5
2							What must be added to 15 to get 20?	$15 + \square = 20$	5
3							What must be added to 25 to get 30?	$25 + \square = 30$	5
4							What must be added to 35 to get 40?	$35 + \square = 40$	5
5							What must be added to 45 to get 50?	$45 + \square = 50$	5
6							What must be added to 5 to get 10?	$5 + \square = 10$	5
7							What must be added to 5 to get 11?	$5 + \square = 11$	6
8							What must be added to 25 to get 31?	$25 + \square = 31$	6
9							What must be added to 35 to get 41?	$35 + \square = 41$	6
10							What must be added to 45 to get 51?	$45 + \square = 51$	6
11							What must be added to 4 to get 7?	$4 + \square = 7$	3
12							What must be added to 24 to get 27?	$24 + \square = 27$	3
13							What must be added to 34 to get 37?	$34 + \square = 37$	3
14							What must be added to 44 to get 47?	$44 + \square = 47$	3
15							What must be subtracted from 10 to get 5?	$10 - \square = 5$	5
16							What must be subtracted from 20 to get 15?	$20 - \square = 15$	5
17							What must be subtracted from 30 to get 25?	$30 - \square = 25$	5
18							What must be subtracted from 40 to get 35?	$40 - \square = 35$	5
19							What must be subtracted from 60 to get 55?	$60 - \square = 55$	5
20							What must be subtracted from 10 to get 6?	$10 - \square = 6$	4
21							What must be subtracted from 20 to get 16?	$20 - \square = 16$	4
22							What must be subtracted from 30 to get 26?	$30 - \square = 26$	4
23							What must be subtracted from 40 to get 36?	$40 - \square = 36$	4
24							What must be subtracted from 50 to get 46?	$50 - \square = 46$	4

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 44		
1							How many twos in 4?		2
2							How many twos in 8?		4
3							How many twos in 16?		8
							"You may use the beans to help you."		
4							How many twos in 6?		3
5							How many twos in 12?		6
6							How many twos in 24?		12
7							How many twos in 10?		5
8							How many twos in 20?		10
9							How many twos in 40?		20
							"Explain how you got your answer."		
10							How many fours in 8?		2
11							How many fours in 16?		4
12							How many fours in 20?		5
13							How many fours in 40?		10
14							How many fours in 44?		11
15							How many fours in 48?		12
16							How many fours in 52?		13
							"Explain how you got your answer."		
17							How much is 10, twos?		20
18							How much is 11, twos?		22
19							How much is 12, twos?		24
							"Explain how you got your answer."		
20							How much is 13, twos?		26
21							How much is 14, twos?		28
22							How much is 15, twos?		30
23							How much is 10, twos?		20
24							How much is 5, twos?		10
25							How much is 15, twos?		30

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 45		
1							What is 10 plus 5?	$10 + 5 = \square$	15
2							What is 20 plus 5?	$20 + 5 = \square$	25
3							What is 30 plus 5?	$30 + 5 = \square$	35
4							What is 40 plus 5?	$40 + 5 = \square$	45
5							What is 50 plus 5?	$50 + 5 = \square$	55
6							What is 60 plus 5?	$60 + 5 = \square$	65
7							What is 80 plus 5?	$80 + 5 = \square$	85
8							What is 5 plus 5?	$5 + 5 = \square$	10
9							What is 15 plus 5?	$15 + 5 = \square$	20
10							What is 25 plus 5?	$25 + 5 = \square$	30
11							What is 35 plus 5?	$35 + 5 = \square$	40
							"What do you notice?"		
12							What is 55 plus 5?	$55 + 5 = \square$	60
13							What is 85 plus 5?	$85 + 5 = \square$	90
14							What is 95 plus 5?	$95 + 5 = \square$	100
15							What is 10 plus 5?	$10 + 5 = \square$	15
16							What is 9 plus 5?	$9 + 5 = \square$	14
17							What is 10 plus 6?	$10 + 6 = \square$	16
18							What is 9 plus 6?	$9 + 6 = \square$	15
							"What do you notice?"		
19							What is 10 plus 7?	$10 + 7 = \square$	17
20							What is 9 plus 7?	$9 + 7 = \square$	16
21							What is 10 plus 8?	$10 + 8 = \square$	18
22							What is 9 plus 8?	$9 + 8 = \square$	17
23							What is 9 plus 4?	$9 + 4 = \square$	13
24							What is 9 plus 3?	$9 + 3 = \square$	12
25							What is 9 plus 9?	$9 + 9 = \square$	18

	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 46		
1						What is 7 plus 2?	$7 + 2 = \square$	9
2						What is 27 plus 2?	$27 + 2 = \square$	29
3						What is 37 plus 2?	$37 + 2 = \square$	39
4						What is 47 plus 2?	$47 + 2 = \square$	49
						"What do you notice?"		
5						What is 57 plus 2?	$57 + 2 = \square$	59
6						What is 7 plus 3?	$7 + 3 = \square$	10
7						What is 27 plus 3?	$27 + 3 = \square$	30
8						What is 37 plus 3?	$37 + 3 = \square$	40
9						What is 47 plus 3?	$47 + 3 = \square$	50
						"Explain how you got your answer."		
10						What is 57 plus 3?	$57 + 3 = \square$	60
11						What is 7 plus 3?	$7 + 3 = \square$	10
12						What is 7 plus 4?	$7 + 4 = \square$	11
13						What is 27 plus 4?	$27 + 4 = \square$	31
14						What is 37 plus 4?	$37 + 4 = \square$	41
15						What is 47 plus 4?	$47 + 4 = \square$	51
16						What is 57 plus 4?	$57 + 4 = \square$	61
17						What is 17 plus 4?	$17 + 4 = \square$	21
18						What is 9 minus 2?	$9 - 2 = \square$	7
19						What is 29 minus 2?	$29 - 2 = \square$	27
20						What is 39 minus 2?	$39 - 2 = \square$	37
21						What is 49 minus 2?	$49 - 2 = \square$	47
22						What is 59 minus 2?	$59 - 2 = \square$	57
23						What is 69 minus 3?	$69 - 3 = \square$	66
						"Explain how you got your answer."		
24						What is 79 minus 4?	$79 - 4 = \square$	75
25						What is 19 minus 5?	$19 - 5 = \square$	14

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 47		
1							What is 2 doubled?	2 doubled = <input type="text"/>	4
2							What is 20 doubled?	20 doubled = <input type="text"/>	40
3							What is 4 doubled?	4 doubled = <input type="text"/>	8
4							What is 40 doubled?	40 doubled = <input type="text"/>	80
							"What do you notice?"		
5							What is 8 doubled?	8 doubled = <input type="text"/>	16
6							What is 80 doubled?	80 doubled = <input type="text"/>	160
7							What is 3 doubled?	3 doubled = <input type="text"/>	6
8							What is 30 doubled?	30 doubled = <input type="text"/>	60
9							What is 5 doubled?	5 doubled = <input type="text"/>	10
10							What is 50 doubled?	50 doubled = <input type="text"/>	100
11							What is 6 doubled?	6 doubled = <input type="text"/>	12
12							What is 60 doubled?	60 doubled = <input type="text"/>	120
13							What is 7 doubled?	7 doubled = <input type="text"/>	14
14							What is 70 doubled?	70 doubled = <input type="text"/>	140
15							What is half of 4?	4 halved = <input type="text"/>	2
16							What is half of 40?	40 halved = <input type="text"/>	20
17							What is half of 10?	10 halved = <input type="text"/>	5
18							What is half of 100?	100 halved = <input type="text"/>	50
19							What is half of 8?	8 halved = <input type="text"/>	4
20							What is half of 80?	80 halved = <input type="text"/>	40
21							What is half of 60?	60 halved = <input type="text"/>	30
22							What is half of 70?	70 halved = <input type="text"/>	35
							"Explain how you got your answer."		
23							What is half of 90?	90 halved = <input type="text"/>	45
24							What is half of 120?	120 halved = <input type="text"/>	60
25							What is half of 140?	140 halved = <input type="text"/>	70

	Single Digit Arithmetic Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 3: Page 48		
1						What is 5 minus 3?	$5 - 3 = \square$	2
2						What is 25 minus 3?	$25 - 3 = \square$	22
3						What is 35 minus 3?	$35 - 3 = \square$	32
4						What is 15 minus 3?	$15 - 3 = \square$	12
5						What is 6 minus 3?	$6 - 3 = \square$	3
6						What is 26 minus 3?	$26 - 3 = \square$	23
						"What do you notice?"		
7						What is 36 minus 3?	$36 - 3 = \square$	33
8						What is 16 minus 3?	$16 - 3 = \square$	13
9						What is 7 minus 3?	$7 - 3 = \square$	4
10						What is 27 minus 3?	$27 - 3 = \square$	24
11						What is 37 minus 3?	$37 - 3 = \square$	34
12						What is 17 minus 3?	$17 - 3 = \square$	14
13						What is 8 minus 3?	$8 - 3 = \square$	5
14						What is 28 minus 3?	$28 - 3 = \square$	25
15						What is 38 minus 3?	$38 - 3 = \square$	35
						"Explain how you got your answer."		
16						What is 5 minus 4?	$5 - 4 = \square$	1
17						What is 25 minus 4?	$25 - 4 = \square$	21
18						What is 15 minus 4?	$15 - 4 = \square$	11
19						What is 6 minus 4?	$6 - 4 = \square$	2
20						What is 26 minus 4?	$26 - 4 = \square$	22
21						What is 16 minus 4?	$16 - 4 = \square$	12
22						What is 27 minus 4?	$27 - 4 = \square$	23
						"Explain how you got your answer."		
23						What is 38 minus 4?	$38 - 4 = \square$	34
24						What is 29 minus 4?	$29 - 4 = \square$	25
25						What is 59 minus 4?	$59 - 4 = \square$	55



**Brombacher  
and Associates cc**

[www.brombacher.co.za](http://www.brombacher.co.za)  
[info@brombacher.co.za](mailto:info@brombacher.co.za)

Unit E23, Prime Park,  
Mocke Rd, Diep River, 7800

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