

# NumberSense: Manipulating Numbers

## Workbook 4

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 (especially with grouping and doubling). 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			
							<b>NumberSense</b> <b>Book 4: Page 2</b>		
1							What is 2 plus 2?	$2 + 2 = \square$	4
2							What is 4 plus 2?	$4 + 2 = \square$	6
3							What is 6 plus 2?	$6 + 2 = \square$	8

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.

# NumberSense

## Book 4: Page 1



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What number do you double to get 10?	<input type="text"/> doubled = 10	5
2							What number do you double to get 20?	<input type="text"/> doubled = 20	10
3							What number do you double to get 30?	<input type="text"/> doubled = 30	15
4							What number do you double to get 40?	<input type="text"/> doubled = 40	20
5							What number do you double to get 18?	<input type="text"/> doubled = 18	9
6							What number do you double to get 22?	<input type="text"/> doubled = 22	11
7							What number do you double to get 4?	<input type="text"/> doubled = 4	2
8							What number do you double to get 24?	<input type="text"/> doubled = 24	12
9							What number do you double to get 30?	<input type="text"/> doubled = 30	15
10							What is half of 60?	60 halved = <input type="text"/>	30
11							What is half of 40?	40 halved = <input type="text"/>	20
12							What is half of 20?	20 halved = <input type="text"/>	10
13							What is half of 24?	24 halved = <input type="text"/>	12
14							What is half of 10?	10 halved = <input type="text"/>	5
15							What is half of 18?	18 halved = <input type="text"/>	9
16							From what number must you subtract 2 to get 5?	<input type="text"/> - 2 = 5	7
17							From what number must you subtract 2 to get 6?	<input type="text"/> - 2 = 6	8
18							From what number must you subtract 2 to get 7?	<input type="text"/> - 2 = 7	9
19							From what number must you subtract 2 to get 8?	<input type="text"/> - 2 = 8	10
20							From what number must you subtract 2 to get 9?	<input type="text"/> - 2 = 9	11
21							From what number must you subtract 3 to get 5?	<input type="text"/> - 3 = 5	8
22							From what number must you subtract 3 to get 6?	<input type="text"/> - 3 = 6	9
23							From what number must you subtract 3 to get 7?	<input type="text"/> - 3 = 7	10
24							From what number must you subtract 3 to get 8?	<input type="text"/> - 3 = 8	11

# NumberSense

## Book 4: Page 2



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 2 plus 2?	$2 + 2 = \square$ 4
2							What is 4 plus 2?	$4 + 2 = \square$ 6
3							What is 6 plus 2?	$6 + 2 = \square$ 8
4							What is 8 plus 2?	$8 + 2 = \square$ 10
5							What is 20 plus 20?	$20 + 20 = \square$ 40
6							What is 40 plus 20?	$40 + 20 = \square$ 60
							"What do you notice?"	
7							What is 60 plus 20?	$60 + 20 = \square$ 80
8							What is 3 plus 3?	$3 + 3 = \square$ 6
9							What is 6 plus 3?	$6 + 3 = \square$ 9
10							What is 9 plus 3?	$9 + 3 = \square$ 12
11							What is 12 plus 3?	$12 + 3 = \square$ 15
12							What is 15 plus 3?	$15 + 3 = \square$ 18
13							What is 18 plus 3?	$18 + 3 = \square$ 21
14							What is 21 plus 3?	$21 + 3 = \square$ 24
15							What is 24 plus 3?	$24 + 3 = \square$ 27
16							What is 27 plus 3?	$27 + 3 = \square$ 30
17							How much is 3, tens?	30
18							How much is 3 groups of 10?	30
19							How much is 2, twenties?	40
20							How much is 2 groups of 20?	40
21							How much is 4 groups of 20?	80
							"What do you notice?"	
22							How much is 3 groups of 2?	6
23							How much is 3 groups of 20?	60
24							How much is 4 groups of 2?	8
25							How much is 4 groups of 20?	80

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## Book 4: Page 3



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 2 plus 2?	$2 + 2 = \square$ 4
2							What is 20 plus 20?	$20 + 20 = \square$ 40
3							What is 4 plus 2?	$4 + 2 = \square$ 6
4							What is 40 plus 20?	$40 + 20 = \square$ 60
5							What is 6 plus 2?	$6 + 2 = \square$ 8
6							What is 60 plus 20?	$60 + 20 = \square$ 80
							"Explain how you got your answer."	
7							What is 10 minus 2?	$10 - 2 = \square$ 8
8							What is 20 minus 2?	$20 - 2 = \square$ 18
9							What is 50 minus 2?	$50 - 2 = \square$ 48
10							What is 80 minus 2?	$80 - 2 = \square$ 78
11							What is 100 minus 2?	$100 - 2 = \square$ 98
12							What is 130 minus 2?	$130 - 2 = \square$ 128
13							What is 37 plus 2?	$37 + 2 = \square$ 39
14							What is 47 plus 2?	$47 + 2 = \square$ 49
15							What is 87 plus 2?	$87 + 2 = \square$ 89
16							What is 107 plus 2?	$107 + 2 = \square$ 109
17							What is 127 plus 2?	$127 + 2 = \square$ 129
18							What is 167 plus 2?	$167 + 2 = \square$ 169
							"Explain how you got your answer."	
19							What is 9 plus 2?	$9 + 2 = \square$ 11
20							What is 29 plus 2?	$29 + 2 = \square$ 31
21							What is 39 plus 2?	$39 + 2 = \square$ 41
22							What is 69 plus 2?	$69 + 2 = \square$ 71
23							What is 89 plus 2?	$89 + 2 = \square$ 91
24							What is 109 plus 2?	$109 + 2 = \square$ 111
25							What is 179 plus 2?	$179 + 2 = \square$ 181

# NumberSense

## Book 4: Page 4



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

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 5		
1							What is 0 plus 10?	$0 + 10 = \square$	10
2							What is 10 plus 10?	$10 + 10 = \square$	20
3							What is 20 plus 10?	$20 + 10 = \square$	30
4							What is 30 plus 10?	$30 + 10 = \square$	40
5							What is 20 plus 20?	$20 + 20 = \square$	40
6							What is 40 plus 20?	$40 + 20 = \square$	60
7							What is 60 plus 20?	$60 + 20 = \square$	80
8							What is 80 plus 20?	$80 + 20 = \square$	100
9							How much is 1 group of 5?		5
10							How much is 2 groups of 5?		10
11							How much is 2 groups of 10?		20
12							How many groups of 10 will give 20?		2
13							How much is 3 groups of 5?		15
14							How much is 3 groups of 10?		30
15							How many groups of 10 will give 30?		3
							"What do you notice?"		
16							How much is 4 groups of 5?		20
17							How much is 4 groups of 10?		40
18							How many groups of 5 will give 20?		4
19							How much is 5 groups of 10?		50
20							How many groups of 5 will give 50?		10
21							How much is 6 groups of 10?		60
22							How much is 7 groups of 5?		35
							"Explain how you got your answer."		
23							How much is 8 groups of 5?		40
24							How many groups of 5 will give 45?		9
25							How much is 12 groups of 5?		60

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## Book 4: Page 6



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 5 plus 3?	$5 + 3 = \square$ 8
2							What is 25 plus 3?	$25 + 3 = \square$ 28
3							What is 35 plus 3?	$35 + 3 = \square$ 38
							"What do you notice?"	
4							What is 15 plus 3?	$15 + 3 = \square$ 18
5							What is 6 plus 3?	$6 + 3 = \square$ 9
6							What is 26 plus 3?	$26 + 3 = \square$ 29
7							What is 36 plus 3?	$36 + 3 = \square$ 39
							"Explain how you got your answer."	
8							What is 16 plus 3?	$16 + 3 = \square$ 19
9							What is 8 plus 3?	$8 + 3 = \square$ 11
10							What is 28 plus 3?	$28 + 3 = \square$ 31
11							What is 38 plus 3?	$38 + 3 = \square$ 41
12							What is 48 plus 3?	$48 + 3 = \square$ 51
13							What is 18 plus 3?	$18 + 3 = \square$ 21
14							What number, plus 3 will give you 6?	$\square + 3 = 6$ 3
15							What number, plus 3 will give you 26?	$\square + 3 = 26$ 23
16							What number, plus 3 will give you 36? Explain.	$\square + 3 = 36$ 33
17							What number, plus 3 will give you 16?	$\square + 3 = 16$ 13
18							What number, plus 3 will give you 7?	$\square + 3 = 7$ 4
19							What number, plus 3 will give you 27? Explain.	$\square + 3 = 27$ 24
20							What number, plus 3 will give you 37?	$\square + 3 = 37$ 34
21							What number, plus 3 will give you 17? Explain.	$\square + 3 = 17$ 14
22							What number, plus 3 will give you 10?	$\square + 3 = 10$ 7
23							What number, plus 3 will give you 20? Explain.	$\square + 3 = 20$ 17
24							What number, plus 3 will give you 30?	$\square + 3 = 30$ 27
25							What number, plus 4 will give you 40? Explain.	$\square + 4 = 40$ 36

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## Book 4: Page 7



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							How many groups of 3 will give 12?	4
2							How many groups of 6 will give 12?	2
3							How many groups of 3 will give 30?	10
4							How many groups of 6 will give 30?	5
							"You may use the beans to help you."	
5							How many groups of 5 will give 10?	2
6							How many groups of 5 will give 20?	4
7							How many groups of 5 will give 30?	6
8							How many groups of 5 will give 60?	12
9							How many groups of 5 will give 40?	8
10							What is 6 plus 4?	$6 + 4 = \square$ 10
11							What is 26 plus 4?	$26 + 4 = \square$ 30
12							What is 36 plus 4?	$36 + 4 = \square$ 40
13							What is 46 plus 4?	$46 + 4 = \square$ 50
14							What is 96 plus 4?	$96 + 4 = \square$ 100
15							What is 106 plus 4?	$106 + 4 = \square$ 110
16							What is 7 plus 3?	$7 + 3 = \square$ 10
17							What is 37 plus 3?	$37 + 3 = \square$ 40
18							What is 87 plus 3?	$87 + 3 = \square$ 90
							"What do you notice?"	
19							What is 97 plus 3?	$97 + 3 = \square$ 100
20							What is 127 plus 3?	$127 + 3 = \square$ 130
21							What is 10 minus 4?	$10 - 4 = \square$ 6
22							What is 20 minus 4?	$20 - 4 = \square$ 16
23							What is 50 minus 4?	$50 - 4 = \square$ 46
24							What is 60 minus 4?	$60 - 4 = \square$ 56
25							What is 90 minus 4?	$90 - 4 = \square$ 86

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## Book 4: Page 8



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							How much is 1 group of 10?	10	
2							How much is 2 groups of 10?	20	
3							How much is 3 groups of 10?	30	
4							How much is 4 groups of 10?	40	
							"Explain how you got your answer."		
5							How much is 5 groups of 10?	50	
6							How much is 6 groups of 10?	60	
7							How much is 7 groups of 10?	70	
8							How much is 8 groups of 10?	80	
9							What must be added to 9 to get 12?	$12 = 9 + \square$	3
10							What must be added to 8 to get 12?	$12 = 8 + \square$	4
11							What must be added to 7 to get 12?	$12 = 7 + \square$	5
12							What must be added to 6 to get 12?	$12 = 6 + \square$	6
13							What must be added to 5 to get 12?	$12 = 5 + \square$	7
14							What must be added to 4 to get 12?	$12 = 4 + \square$	8
15							What must be added to 8 to get 13?	$13 = 8 + \square$	5
16							What must be added to 7 to get 13?	$13 = 7 + \square$	6
17							What must be added to 6 to get 13?	$13 = 6 + \square$	7
18							What must be added to 5 to get 13?	$13 = 5 + \square$	8
19							What must be added to 4 to get 13?	$13 = 4 + \square$	9
20							What must be added to 3 to get 13?	$13 = 3 + \square$	10
21							What must be added to 8 to get 10?	$10 = 8 + \square$	2
22							What must be added to 7 to get 10?	$10 = 7 + \square$	3
23							What must be added to 6 to get 10?	$10 = 6 + \square$	4
24							What must be added to 5 to get 10?	$10 = 5 + \square$	5
25							What must be added to 4 to get 10?	$10 = 4 + \square$	6

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 9		
1							What is 2 doubled?	2 doubled = <input type="text"/>	4
2							What is 10 doubled?	10 doubled = <input type="text"/>	20
3							What is 12 doubled?	12 doubled = <input type="text"/>	24
4							What is 4 doubled?	4 doubled = <input type="text"/>	8
5							What is 20 doubled?	20 doubled = <input type="text"/>	40
6							What is 24 doubled?	24 doubled = <input type="text"/>	48
7							What is 6 doubled?	6 doubled = <input type="text"/>	12
8							What is 7 doubled?	7 doubled = <input type="text"/>	14
9							What is 14 doubled?	14 doubled = <input type="text"/>	28
							"Explain how you got your answer."		
10							How much is 2 groups of 2?		4
11							How much is 5 groups of 2?		10
12							How much is 6 groups of 2?		12
13							How much is 3 groups of 4?		12
14							How much is 4 groups of 3?		12
15							How much is 4 groups of 6?		24
16							How much is 10 groups of 2?		20
17							How much is 12 groups of 2?		24
18							How much is 4 groups of 3?		12
19							How much is 4 groups of 6?		24
20							How much is 6 groups of 4?		24
							"You may use the beans to help you."		
21							How much is 4 groups of 2?		8
22							How much is 4 groups of 4?		16
23							How much is 7 groups of 2?		14
24							How much is 7 groups of 4?		28
25							How much is 9 groups of 4?		36

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 10		
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 85 plus 5?	$85 + 5 = \square$	90
6							What is 105 plus 5?	$105 + 5 = \square$	110
7							What is 145 plus 5?	$145 + 5 = \square$	150
8							What is 10 plus 5?	$10 + 5 = \square$	15
9							What is 20 plus 5?	$20 + 5 = \square$	25
10							What is 30 plus 5?	$30 + 5 = \square$	35
11							What is 60 plus 5?	$60 + 5 = \square$	65
12							What is 90 plus 5?	$90 + 5 = \square$	95
13							What is 140 plus 5?	$140 + 5 = \square$	145
14							What is 260 plus 5?	$260 + 5 = \square$	265
15							How much is 2 groups of 10?		20
16							How much is 2 groups of 5?		10
17							How much is 3 groups of 10?		30
18							How much is 3 groups of 5?		15
19							How much is 5 groups of 10?		50
20							How much is 5 groups of 5?		25
							"You may use the beans to help you."		
21							How much is 8 groups of 5?		40
22							How much is 12 groups of 2?		24
23							How much is 24 groups of 2?		48
24							How much is 26 groups of 2?		52
							"Explain how you got your answer."		
25							How much is 28 groups of 2?		56

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## Book 4: Page 11



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 2 plus 2?	$2 + 2 = \square$ 4
2							What is 20 plus 20?	$20 + 20 = \square$ 40
							"Explain how you got your answer."	
3							What is 4 plus 2?	$4 + 2 = \square$ 6
4							What is 40 plus 20?	$40 + 20 = \square$ 60
5							What is 60 plus 5?	$60 + 5 = \square$ 65
6							What is 65 plus 5?	$65 + 5 = \square$ 70
7							What is 70 plus 5?	$70 + 5 = \square$ 75
8							What is 80 plus 5?	$80 + 5 = \square$ 85
9							What is 10 plus 5?	$10 + 5 = \square$ 15
10							What is 11 plus 5?	$11 + 5 = \square$ 16
							"Explain how you got your answer."	
11							What is 12 plus 5?	$12 + 5 = \square$ 17
12							What is 13 plus 5?	$13 + 5 = \square$ 18
13							What is 14 plus 5?	$14 + 5 = \square$ 19
14							What is 15 plus 5?	$15 + 5 = \square$ 20
15							What is 16 plus 5?	$16 + 5 = \square$ 21
16							What number, plus 5 will give 10?	$\square + 5 = 10$ 5
17							What number, plus 5 will give 15?	$\square + 5 = 15$ 10
18							What number, plus 5 will give 16?	$\square + 5 = 16$ 11
19							What number, plus 5 will give 17?	$\square + 5 = 17$ 12
20							What number, plus 5 will give 18?	$\square + 5 = 18$ 13
21							What number, plus 5 will give 19? Explain.	$\square + 5 = 19$ 14
22							What number, plus 5 will give 20?	$\square + 5 = 20$ 15
23							What number, plus 5 will give 10?	$\square + 5 = 10$ 5
24							What number, plus 5 will give 9?	$\square + 5 = 9$ 4
25							What number, plus 5 will give 8? Explain.	$\square + 5 = 8$ 3

# NumberSense

## Book 4: Page 12



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What number, minus 1 will give you 10?	<input type="text"/> - 1 = 10	11
2							What number, minus 1 will give you 20?	<input type="text"/> - 1 = 20	21
3							What number, minus 1 will give you 30?	<input type="text"/> - 1 = 30	31
4							What number, minus 1 will give you 40?	<input type="text"/> - 1 = 40	41
							"What do you notice?"		
5							What number, minus 1 will give you 50?	<input type="text"/> - 1 = 50	51
6							What number, plus 2 will give you 10?	<input type="text"/> + 2 = 10	8
7							What number, plus 2 will give you 20?	<input type="text"/> + 2 = 20	18
8							What number, plus 2 will give you 30?	<input type="text"/> + 2 = 30	28
9							What number, plus 2 will give you 40?	<input type="text"/> + 2 = 40	38
10							What number, plus 2 will give you 50?	<input type="text"/> + 2 = 50	48
11							What number, plus 2 will give you 60?	<input type="text"/> + 2 = 60	58
12							What is 9 plus 3?	9 + 3 = <input type="text"/>	12
13							What is 29 plus 3?	29 + 3 = <input type="text"/>	32
14							What is 39 plus 3?	39 + 3 = <input type="text"/>	42
15							What is 19 plus 3?	19 + 3 = <input type="text"/>	22
16							What is 7 plus 3?	7 + 3 = <input type="text"/>	10
17							What is 7 plus 4?	7 + 4 = <input type="text"/>	11
18							What is 27 plus 4?	27 + 4 = <input type="text"/>	31
							"What do you notice?"		
19							What is 37 plus 4?	37 + 4 = <input type="text"/>	41
20							What is 47 plus 4?	47 + 4 = <input type="text"/>	51
21							14 minus how much, will give you 12?	14 - <input type="text"/> = 12	2
22							15 minus how much, will give you 12?	15 - <input type="text"/> = 12	3
23							16 minus how much, will give you 12?	16 - <input type="text"/> = 12	4
24							17 minus how much, will give you 12?	17 - <input type="text"/> = 12	5
25							18 minus how much, will give you 12?	18 - <input type="text"/> = 12	6

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 13		
1							What is 8 plus 2?	$8 + 2 = \square$	10
2							What is 8 plus 3?	$8 + 3 = \square$	11
3							What is 28 plus 3?	$28 + 3 = \square$	31
4							What is 48 plus 3?	$48 + 3 = \square$	51
5							What is 78 plus 3?	$78 + 3 = \square$	81
6							What is 108 plus 3?	$108 + 3 = \square$	111
7							What is 118 plus 3?	$118 + 3 = \square$	121
8							What is 8 plus 4?	$8 + 4 = \square$	12
9							What is 28 plus 5?	$28 + 5 = \square$	33
10							What is 38 plus 6?	$38 + 6 = \square$	44
11							What is 78 plus 7?	$78 + 7 = \square$	85
12							What is 98 plus 8?	$98 + 8 = \square$	106
13							What is 148 plus 9?	$148 + 9 = \square$	157
14							How much is 2, fours?		8
15							How much is 4, fours?		16
16							How much is 8, fours?		32
							"You may use the beans to help you."		
17							How much is 10, fours?		40
18							How much is 11, fours?		44
19							How much is 12, fours?		48
20							How many groups of 4 will give 48?		12
21							How many groups of 4 will give 40?		10
22							How many groups of 4 will give 36?		9
23							How many groups of 4 will give 32?		8
24							How many groups of 4 will give 20?		5
25							How many groups of 4 will give 16?		4

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 14		
1							What is 1 more than 20?	$20 + 1 = \square$	21
2							What is 1 more than 120?	$120 + 1 = \square$	121
3							What is 1 more than 10?	$10 + 1 = \square$	11
4							What is 1 more than 110?	$110 + 1 = \square$	111
							"What do you notice?"		
5							What is 1 more than 90?	$90 + 1 = \square$	91
6							What is 1 more than 100?	$100 + 1 = \square$	101
7							What is 1 less than 20?	$20 - 1 = \square$	19
8							What is 1 less than 120?	$120 - 1 = \square$	119
9							What is 1 less than 10?	$10 - 1 = \square$	9
10							What is 1 less than 110?	$110 - 1 = \square$	109
11							What is 1 less than 90?	$90 - 1 = \square$	89
							"Explain how you got your answer."		
12							What is 1 less than 100?	$100 - 1 = \square$	99
13							What is 1 more than 19?	$19 + 1 = \square$	20
14							What is 1 more than 29?	$29 + 1 = \square$	30
15							What is 1 more than 49?	$49 + 1 = \square$	50
16							What is 1 more than 69?	$69 + 1 = \square$	70
17							What is 1 more than 89?	$89 + 1 = \square$	90
18							What is 1 less than 19?	$19 - 1 = \square$	18
19							What is 1 less than 29?	$29 - 1 = \square$	28
20							What is 1 less than 39?	$39 - 1 = \square$	38
21							What is 1 less than 69?	$69 - 1 = \square$	68
22							What is 1 more than 21?	$21 + 1 = \square$	22
23							What is 1 more than 31?	$31 + 1 = \square$	32
24							What is 1 more than 81?	$81 + 1 = \square$	82
25							What is 1 less than 81?	$81 - 1 = \square$	80

# NumberSense

## Book 4: Page 15



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 2 plus 2?	$2 + 2 = \square$ 4
2							What is 20 plus 20?	$20 + 20 = \square$ 40
3							What is 4 plus 2?	$4 + 2 = \square$ 6
4							What is 40 plus 20?	$40 + 20 = \square$ 60
5							What is 6 plus 2?	$6 + 2 = \square$ 8
6							What is 60 plus 20?	$60 + 20 = \square$ 80
7							What is 80 plus 20?	$80 + 20 = \square$ 100
8							What is 100 plus 20?	$100 + 20 = \square$ 120
9							What is 120 plus 5?	$120 + 5 = \square$ 125
10							What is 125 plus 5?	$125 + 5 = \square$ 130
11							What is 135 plus 5?	$135 + 5 = \square$ 140
12							What is 160 plus 5?	$140 + 5 = \square$ 145
13							What is 180 plus 5?	$150 + 5 = \square$ 155
14							What is 195 plus 5?	$155 + 5 = \square$ 160
15							What is 110 plus 5?	$110 + 5 = \square$ 115
16							What is 115 plus 5?	$115 + 5 = \square$ 120
17							What must we take away from 8 to get 5?	$8 - \square = 5$ 3
18							What must we take away from 18 to get 15?	$18 - \square = 15$ 3
19							What must we take away from 9 to get 5?	$9 - \square = 5$ 4
20							What must we take away from 19 to get 15?	$19 - \square = 15$ 4
21							What must we take away from 10 to get 5?	$10 - \square = 5$ 5
22							What must we take away from 20 to get 15?	$20 - \square = 15$ 5
23							What must we take away from 11 to get 5?	$11 - \square = 5$ 6
24							What must we take away from 21 to get 15?	$21 - \square = 15$ 6
25							What must we take away from 31 to get 15?	$31 - \square = 15$ 16

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 16		
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 20?	$30 + 20 = \square$	50
4							What is 40 plus 10?	$40 + 10 = \square$	50
5							What is 40 plus 20?	$40 + 20 = \square$	60
6							What is 80 plus 10?	$80 + 10 = \square$	90
7							What is 80 plus 20?	$80 + 20 = \square$	100
8							What is 130 plus 10?	$130 + 10 = \square$	140
9							What is 150 plus 30?	$150 + 30 = \square$	180
10							What is 180 plus 10?	$180 + 10 = \square$	190
11							How many groups of 10 will give 20?		2
12							How many groups of 10 will give 30?		3
13							How many groups of 10 will give 50?		5
14							How many groups of 10 will give 70?		7
15							How many groups of 10 will give 80?		8
							"What do you notice?"		
16							How many groups of 10 will give 90?		9
17							How many groups of 10 will give 100?		10
18							How many groups of 5 will give 10?		2
19							How many groups of 5 will give 15?		3
20							How many groups of 5 will give 20?		4
21							How many groups of 5 will give 25?		5
22							How many groups of 5 will give 30?		6
23							How many groups of 5 will give 60?		12
							"You may use the beans to help you."		
24							How many groups of 5 will give 40?		8
25							How many groups of 5 will give 80?		16

# NumberSense

## Book 4: Page 17



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	Red						What must be added to 2 to get 5?	$2 + \square = 5$	3
2	Red						What must be added to 32 to get 35?	$32 + \square = 35$	3
3	Red						What must be added to 42 to get 45?	$42 + \square = 45$	3
4			Yellow				What must be added to 35 to get 40?	$35 + \square = 40$	5
5			Yellow				What must be added to 45 to get 50?	$45 + \square = 50$	5
6			Yellow				What must be added to 65 to get 70?	$65 + \square = 70$	5
7	Red						What must be added to 3 to get 8?	$3 + \square = 8$	5
8	Red						What must be added to 23 to get 28?	$23 + \square = 28$	5
9	Red						What must be added to 33 to get 38?	$33 + \square = 38$	5
10	Red						What must be subtracted from 31 to get 30? Explain.	$31 - \square = 30$	1
11				Blue			What must be subtracted from 31 to get 29?	$31 - \square = 29$	2
12				Blue			What must be subtracted from 31 to get 28?	$31 - \square = 28$	3
13	Red						What must be subtracted from 28 to get 25?	$28 - \square = 25$	3
14				Blue			What must be subtracted from 25 to get 19?	$25 - \square = 19$	6
15			Yellow				What must be added to 19 to get 20?	$19 + \square = 20$	1
16				Blue			What must be added to 19 to get 21?	$19 + \square = 21$	2
17				Blue			What must be added to 19 to get 23?	$19 + \square = 23$	4
18	Red						What must be added to 23 to get 25?	$23 + \square = 25$	2
19	Red						What must be added to 25 to get 28?	$25 + \square = 28$	3
20				Blue			What must be added to 28 to get 31?	$28 + \square = 31$	3
21				Blue			What must be subtracted from 31 to get 29?	$31 - \square = 29$	2
22	Red						What must be subtracted from 29 to get 24? Explain.	$29 - \square = 24$	5
23	Red						What must be subtracted from 24 to get 20?	$24 - \square = 20$	4
24			Yellow				What must be subtracted from 20 to get 17?	$20 - \square = 17$	3

# NumberSense

## Book 4: Page 18



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What must be added to 4 to get 7?	$4 + \square = 7$ 3
2							What must be added to 24 to get 27?	$24 + \square = 27$ 3
3							What must be added to 34 to get 37?	$34 + \square = 37$ 3
							"What do you notice?"	
4							What must be added to 14 to get 17?	$14 + \square = 17$ 3
5							What must be added to 6 to get 9?	$6 + \square = 9$ 3
6							What must be added to 26 to get 29?	$26 + \square = 29$ 3
7							What must be added to 36 to get 39?	$36 + \square = 39$ 3
8							What must be added to 16 to get 19?	$16 + \square = 19$ 3
9							What must be added to 7 to get 10?	$7 + \square = 10$ 3
10							What must be added to 27 to get 30?	$27 + \square = 30$ 3
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 17 to get 20?	$17 + \square = 20$ 3
13							What must be added to 9 to get 10?	$9 + \square = 10$ 1
14							What must be added to 9 to get 11?	$9 + \square = 11$ 2
15							What must be added to 9 to get 12?	$9 + \square = 12$ 3
16							What must be added to 19 to get 22?	$19 + \square = 22$ 3
17							What must be added to 29 to get 32?	$29 + \square = 32$ 3
18							What must be added to 5 to get 10?	$5 + \square = 10$ 5
19							What must be added to 5 to get 9?	$5 + \square = 9$ 4
20							What must be added to 15 to get 19?	$15 + \square = 19$ 4
21							What must be added to 25 to get 29?	$25 + \square = 29$ 4
22							What must be added to 6 to get 10?	$6 + \square = 10$ 4
23							What must be added to 16 to get 20?	$16 + \square = 20$ 4
							"Explain how you got your answer."	
24							What must be added to 26 to get 30?	$26 + \square = 30$ 4
25							What must be added to 36 to get 40?	$36 + \square = 40$ 4

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 19		
1							What is 4 doubled?	4 doubled = <input type="text"/>	8
2							What is 5 doubled?	5 doubled = <input type="text"/>	10
3							What is 6 doubled?	6 doubled = <input type="text"/>	12
4							What is 7 doubled?	7 doubled = <input type="text"/>	14
5							What is 8 doubled?	8 doubled = <input type="text"/>	16
6							What is 9 doubled?	9 doubled = <input type="text"/>	18
7							What is 10 doubled?	10 doubled = <input type="text"/>	20
8							What is 11 doubled?	11 doubled = <input type="text"/>	22
9							What is 12 doubled?	12 doubled = <input type="text"/>	24
10							What is 13 doubled?	13 doubled = <input type="text"/>	26
11							What is 14 doubled?	14 doubled = <input type="text"/>	28
12							What is 15 doubled?	15 doubled = <input type="text"/>	30
13							What is half of 30?	30 halved = <input type="text"/>	15
14							What is half of 28?	28 halved = <input type="text"/>	14
							"Explain how you got your answer."		
15							What is half of 24?	24 halved = <input type="text"/>	12
16							What is half of 20?	20 halved = <input type="text"/>	10
17							What is half of 22?	22 halved = <input type="text"/>	11
18							What is half of 26?	26 halved = <input type="text"/>	13
19							What is half of 12?	12 halved = <input type="text"/>	6
20							What is half of 14?	14 halved = <input type="text"/>	7
21							What is half of 16?	16 halved = <input type="text"/>	8
22							What is half of 20?	20 halved = <input type="text"/>	10
23							What is half of 18?	18 halved = <input type="text"/>	9
24							What is half of 40?	40 halved = <input type="text"/>	20
25							What is half of 38?	38 halved = <input type="text"/>	19

# NumberSense

## Book 4: Page 20



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

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 21		
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 8 doubled?	8 doubled = <input type="text"/>	16
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 20 doubled?	20 doubled = <input type="text"/>	40
7							What is 21 doubled?	21 doubled = <input type="text"/>	42
							"Explain how you got your answer."		
8							What is 22 doubled?	22 doubled = <input type="text"/>	44
9							What is 24 doubled?	24 doubled = <input type="text"/>	48
10							What is 25 doubled?	25 doubled = <input type="text"/>	50
							"Explain how you got your answer."		
11							How many twos in 10?		5
12							How many twos in 20?		10
13							How many twos in 40?		20
14							How many fives in 10?		2
15							How many fives in 20?		4
16							How many fives in 40?		8
17							How much is 2, twos?		4
18							How much is 4, twos?		8
19							How much is 8, twos?		16
20							How much is 5, twos?		10
21							How much is 10, twos?		20
22							How much is 20, twos?		40
23							How much is 21, twos?		42
24							How much is 22, twos?		44
25							How much is 25, twos?		50

# NumberSense

## Book 4: Page 22



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 10 plus 4?	$10 + 4 = \square$	14
2							What is 4 plus 4?	$4 + 4 = \square$	8
3							What is 24 plus 4?	$24 + 4 = \square$	28
4							What is 34 plus 4?	$34 + 4 = \square$	38
5							What is 54 plus 4?	$54 + 4 = \square$	58
							"What do you notice?"		
6							What is 14 plus 4?	$14 + 4 = \square$	18
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
							"Explain how you got your answer."		
12							What is 82 plus 4?	$82 + 4 = \square$	86
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
17							What is 66 plus 4?	$66 + 4 = \square$	70
18							What is 16 plus 4?	$16 + 4 = \square$	20
19							What is 6 plus 4?	$6 + 4 = \square$	10
20							What is 8 plus 4?	$8 + 4 = \square$	12
21							What is 28 plus 4?	$28 + 4 = \square$	32
22							What is 38 plus 4?	$38 + 4 = \square$	42
							"What do you notice?"		
23							What is 48 plus 4?	$48 + 4 = \square$	52
24							What is 58 plus 4?	$58 + 4 = \square$	62
25							What is 18 plus 4?	$18 + 4 = \square$	22

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 23		
1							What is 10 doubled?	10 doubled = <input type="text"/>	20
2							What is 6 doubled?	6 doubled = <input type="text"/>	12
3							What is 16 doubled?	16 doubled = <input type="text"/>	32
							"Explain how you got your answer."		
4							What is 7 doubled?	7 doubled = <input type="text"/>	14
5							What is 17 doubled?	17 doubled = <input type="text"/>	34
6							What is 8 doubled?	8 doubled = <input type="text"/>	16
7							What is 18 doubled?	18 doubled = <input type="text"/>	36
8							What is 20 doubled?	20 doubled = <input type="text"/>	40
9							What is 21 doubled?	21 doubled = <input type="text"/>	42
10							What is 22 doubled?	22 doubled = <input type="text"/>	44
							"Explain how you got your answer."		
11							What is 23 doubled?	23 doubled = <input type="text"/>	46
12							What is 24 doubled?	24 doubled = <input type="text"/>	48
13							What is 25 doubled?	25 doubled = <input type="text"/>	50
14							What is 2 plus 2?	$2 + 2 =$ <input type="text"/>	4
15							What is 4 plus 4?	$4 + 4 =$ <input type="text"/>	8
16							What is 8 plus 8?	$8 + 8 =$ <input type="text"/>	16
17							What is 1 plus 2?	$1 + 2 =$ <input type="text"/>	3
18							What is 2 plus 3?	$2 + 3 =$ <input type="text"/>	5
19							What is 3 plus 4?	$3 + 4 =$ <input type="text"/>	7
20							What is 3 plus 5?	$3 + 5 =$ <input type="text"/>	8
21							What is 5 plus 5?	$5 + 5 =$ <input type="text"/>	10
22							What is 5 plus 7?	$5 + 7 =$ <input type="text"/>	12
23							What is 2 plus 8?	$2 + 8 =$ <input type="text"/>	10
24							What is 10 plus 8?	$10 + 8 =$ <input type="text"/>	18
25							What is 12 plus 8?	$12 + 8 =$ <input type="text"/>	20

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 24		
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 55 plus 5?	$55 + 5 = \square$	60
7							What is 65 plus 5?	$65 + 5 = \square$	70
8							What is 75 plus 5?	$75 + 5 = \square$	80
9							What is 95 plus 5?	$95 + 5 = \square$	100
10							What is 5 plus 5?	$5 + 5 = \square$	10
11							What is 105 plus 5?	$105 + 5 = \square$	110
							"Explain how you got your answer."		
12							What is 15 plus 5?	$15 + 5 = \square$	20
13							What is 115 plus 5?	$115 + 5 = \square$	120
14							What is 10 plus 5?	$10 + 5 = \square$	15
15							What is 20 plus 5?	$20 + 5 = \square$	25
16							What is 30 plus 5?	$30 + 5 = \square$	35
17							What is 40 plus 5?	$40 + 5 = \square$	45
18							What is 50 plus 5?	$50 + 5 = \square$	55
19							What is 60 plus 5?	$60 + 5 = \square$	65
20							What is 90 plus 5?	$90 + 5 = \square$	95
21							What is 80 plus 5?	$80 + 5 = \square$	85
22							What is 100 plus 5?	$100 + 5 = \square$	105
23							What is 10 plus 5?	$10 + 5 = \square$	15
24							What is 110 plus 5?	$110 + 5 = \square$	115
25							What is 120 plus 5?	$120 + 5 = \square$	125

# NumberSense

## Book 4: Page 25



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be subtracted from 10 to get 6?	$10 - \square = 6$	4
2							What must be subtracted from 20 to get 16?	$20 - \square = 16$	4
3							What must be subtracted from 30 to get 26?	$30 - \square = 26$	4
4							What must be subtracted from 40 to get 36?	$40 - \square = 36$	4
5							What must be subtracted from 10 to get 6?	$10 - \square = 6$	4
6							What must be subtracted from 11 to get 6?	$11 - \square = 6$	5
7							What must be subtracted from 21 to get 16?	$21 - \square = 16$	5
8							What must be subtracted from 31 to get 26?	$31 - \square = 26$	5
9							What must be subtracted from 41 to get 36?	$41 - \square = 36$	5
10							What must be subtracted from 10 to get 6?	$10 - \square = 6$	4
11							What must be subtracted from 11 to get 6?	$11 - \square = 6$	5
12							What must be subtracted from 12 to get 6?	$12 - \square = 6$	6
13							What must be subtracted from 22 to get 16?	$22 - \square = 16$	6
14							What must be subtracted from 32 to get 26?	$32 - \square = 26$	6
15							What must be subtracted from 14 to get 7?	$14 - \square = 7$	7
16							What must be subtracted from 24 to get 17?	$24 - \square = 17$	7
17							What must be subtracted from 44 to get 37?	$44 - \square = 37$	7
18							What must be added to 15 to get 20?	$15 + \square = 20$	5
19							What must be added to 15 to get 21?	$15 + \square = 21$	6
20							What must be added to 15 to get 22?	$15 + \square = 22$	7
21							What must be added to 15 to get 26?	$15 + \square = 26$	11
22							What must be added to 15 to get 28?	$15 + \square = 28$	13
23							What must be added to 12 to get 21?	$12 + \square = 21$	9
24							What must be added to 13 to get 22?	$13 + \square = 22$	9
25							What must be added to 16 to get 23?	$16 + \square = 23$	7

# NumberSense

## Book 4: Page 26



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 7 minus 2?	$7 - 2 = \square$	5
2							What is 17 minus 2?	$17 - 2 = \square$	15
3							What is 37 minus 2?	$37 - 2 = \square$	35
4							What is 35 minus 2?	$35 - 2 = \square$	33
5							What is 33 minus 2?	$33 - 2 = \square$	31
6							What is 31 minus 2?	$31 - 2 = \square$	29
7							What is 33 plus 3?	$33 + 3 = \square$	36
8							What is 36 plus 3?	$36 + 3 = \square$	39
9							What is 46 plus 3?	$46 + 3 = \square$	49
10							What is 56 plus 3?	$56 + 3 = \square$	59
11							What is 36 plus 4?	$36 + 4 = \square$	40
12							What is 46 plus 4?	$46 + 4 = \square$	50
13							What is 56 plus 4?	$56 + 4 = \square$	60
14							What is 86 plus 4?	$86 + 4 = \square$	90
15							What number, plus 4 will give you 10?	$\square + 4 = 10$	6
16							What number, plus 4 will give you 12?	$\square + 4 = 12$	8
17							What number, plus 4 will give you 22?	$\square + 4 = 22$	18
18							What number, plus 4 will give you 32? Explain.	$\square + 4 = 32$	28
19							What number, plus 4 will give you 42? Explain.	$\square + 4 = 42$	38
20							What number, plus 4 will give you 8?	$\square + 4 = 8$	4
21							What number, plus 4 will give you 18?	$\square + 4 = 18$	14
22							What number, plus 4 will give you 28? Explain.	$\square + 4 = 28$	24
23							What number, plus 4 will give you 10?	$\square + 4 = 10$	6
24							What number, plus 4 will give you 20? Explain.	$\square + 4 = 20$	16
25							What number, plus 4 will give you 30? Explain.	$\square + 4 = 30$	26

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 27		
1							What is 10 minus 6?	$10 - 6 = \square$	4
2							What is 20 minus 6?	$20 - 6 = \square$	14
3							What is 30 minus 6?	$30 - 6 = \square$	24
							"What do you notice?"		
4							What is 10 minus 7?	$10 - 7 = \square$	3
5							What is 20 minus 7?	$20 - 7 = \square$	13
6							What is 30 minus 7?	$30 - 7 = \square$	23
7							What is 10 minus 8?	$10 - 8 = \square$	2
8							What is 20 minus 8?	$20 - 8 = \square$	12
9							What is 30 minus 8?	$30 - 8 = \square$	22
10							What is 10 minus 9?	$10 - 9 = \square$	1
11							What is 20 minus 9?	$20 - 9 = \square$	11
12							What is 30 minus 9?	$30 - 9 = \square$	21
13							What is 10 minus 2?	$10 - 2 = \square$	8
14							What is 20 minus 2?	$20 - 2 = \square$	18
15							What is 30 minus 2?	$30 - 2 = \square$	28
							"Explain how you got your answer."		
16							What is 10 minus 4?	$10 - 4 = \square$	6
17							What is 20 minus 4?	$20 - 4 = \square$	16
18							What is 30 minus 4?	$30 - 4 = \square$	26
19							What is 10 minus 3?	$10 - 3 = \square$	7
20							What is 20 minus 3?	$20 - 3 = \square$	17
21							What is 30 minus 3?	$30 - 3 = \square$	27
22							What is 20 minus 5?	$20 - 5 = \square$	15
23							What is 30 minus 5?	$30 - 5 = \square$	25
24							What is 20 minus 9?	$20 - 9 = \square$	11
25							What is 30 minus 9?	$30 - 9 = \square$	21

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 28		
1							What is 4 doubled?	4 doubled = <input type="text"/>	8
2							What is 5 doubled?	5 doubled = <input type="text"/>	10
3							What is 6 doubled?	6 doubled = <input type="text"/>	12
4							What is 7 doubled?	7 doubled = <input type="text"/>	14
5							What is 8 doubled?	8 doubled = <input type="text"/>	16
6							What is 12 doubled?	12 doubled = <input type="text"/>	24
7							What is 13 doubled?	13 doubled = <input type="text"/>	26
8							What must be doubled to get 10?	<input type="text"/> doubled = 10	5
9							What must be doubled to get 20?	<input type="text"/> doubled = 20	10
10							What must be doubled to get 22?	<input type="text"/> doubled = 22	11
11							What must be doubled to get 24?	<input type="text"/> doubled = 24	12
12							What must be divided by to get 26?	<input type="text"/> doubled = 26	13
13							What must be divided by to get 30?	<input type="text"/> doubled = 30	15
14							What is 10 minus 2?	$10 - 2 =$ <input type="text"/>	8
15							What is 20 minus 2?	$20 - 2 =$ <input type="text"/>	18
16							What is 30 minus 2?	$30 - 2 =$ <input type="text"/>	28
17							What is 40 minus 2?	$40 - 2 =$ <input type="text"/>	38
							"Explain how you got your answer."		
18							What is 50 minus 2?	$50 - 2 =$ <input type="text"/>	48
19							What is 60 minus 2?	$60 - 2 =$ <input type="text"/>	58
20							What is 10 minus 4?	$10 - 4 =$ <input type="text"/>	6
21							What is 20 minus 4?	$20 - 4 =$ <input type="text"/>	16
22							What is 30 minus 4?	$30 - 4 =$ <input type="text"/>	26
23							What is 40 minus 4?	$40 - 4 =$ <input type="text"/>	36
24							What is 50 minus 4?	$50 - 4 =$ <input type="text"/>	46
25							What is 60 minus 4?	$60 - 4 =$ <input type="text"/>	56

# NumberSense

## Book 4: Page 29



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be added to 6 to get 8?	$6 + \square = 8$	2
2							What must be added to 26 to get 28?	$26 + \square = 28$	2
3							What must be added to 36 to get 38?	$36 + \square = 38$	2
4							What must be added to 56 to get 58?	$56 + \square = 58$	2
5							What must be added to 16 to get 18?	$16 + \square = 18$	2
6							What must be subtracted from 5 to get 3?	$5 - \square = 3$	2
7							What must be subtracted from 25 to get 23?	$25 - \square = 23$	2
8							What must be subtracted from 35 to get 33?	$35 - \square = 33$	2
9							What must be subtracted from 55 to get 53? Explain.	$55 - \square = 53$	2
10							What must be subtracted from 15 to get 13?	$15 - \square = 13$	2
11							What must be added to 6 to get 10?	$6 + \square = 10$	4
12							What must be added to 26 to get 30?	$26 + \square = 30$	4
13							What must be added to 36 to get 40?	$36 + \square = 40$	4
14							What must be added to 56 to get 60?	$56 + \square = 60$	4
15							What must be added to 66 to get 70?	$66 + \square = 70$	4
16							What must be subtracted from 10 to get 7?	$10 - \square = 7$	3
17							What must be subtracted from 20 to get 17?	$20 - \square = 17$	3
18							What must be subtracted from 30 to get 27?	$30 - \square = 27$	3
19							What must be subtracted from 60 to get 57? Explain.	$60 - \square = 57$	3
20							What must be subtracted from 70 to get 67?	$70 - \square = 67$	3
21							What must be added to 8 to get 10?	$8 + \square = 10$	2
22							What must be added to 8 to get 14?	$8 + \square = 14$	6
23							What must be added to 28 to get 34?	$28 + \square = 34$	6
24							What must be added to 48 to get 54?	$48 + \square = 54$	6

# NumberSense

## Book 4: Page 30



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 50 plus 10?	$50 + 10 = \square$ 60
2							What is 60 plus 10?	$60 + 10 = \square$ 70
3							What is 90 plus 10?	$90 + 10 = \square$ 100
4							What is 50 plus 50?	$50 + 50 = \square$ 100
5							What is 60 plus 60?	$60 + 60 = \square$ 120
							"Explain how you got your answer."	
6							What is 3 plus 4?	$3 + 4 = \square$ 7
7							What is 5 plus 3?	$5 + 3 = \square$ 8
8							What is 2 plus 5?	$2 + 5 = \square$ 7
9							What is 3 plus 3?	$3 + 3 = \square$ 6
10							What is 6 plus 6?	$6 + 6 = \square$ 12
11							What is 6 plus 7?	$6 + 7 = \square$ 13
12							What is 7 plus 7?	$7 + 7 = \square$ 14
13							What is 7 plus 8?	$7 + 8 = \square$ 15
14							What is 7 plus 9?	$7 + 9 = \square$ 16
15							What is 7 plus 10?	$7 + 10 = \square$ 17
16							What is 5 plus 5?	$5 + 5 = \square$ 10
17							What is 5 plus 7?	$5 + 7 = \square$ 12
18							What is 10 plus 10?	$10 + 10 = \square$ 20
19							What is 11 plus 11?	$11 + 11 = \square$ 22
20							What is 12 plus 13?	$12 + 13 = \square$ 25
							"Explain how you got your answer."	
21							What is 14 plus 13?	$14 + 13 = \square$ 27
22							What is 14 plus 12?	$14 + 12 = \square$ 26
23							What is 15 plus 15?	$15 + 15 = \square$ 30
24							What is 12 plus 12?	$12 + 12 = \square$ 24
25							What is 16 plus 14?	$16 + 14 = \square$ 30

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 31		
1							What is 1 plus 9?	$1 + 9 = \square$	10
2							What is 11 plus 9?	$11 + 9 = \square$	20
3							What is 21 plus 9?	$21 + 9 = \square$	30
4							What is 31 plus 9?	$31 + 9 = \square$	40
							"What do you notice?"		
5							What is 2 plus 10?	$2 + 10 = \square$	12
6							What is 2 plus 9?	$2 + 9 = \square$	11
7							What is 12 plus 10?	$12 + 10 = \square$	22
8							What is 12 plus 9?	$12 + 9 = \square$	21
9							What is 22 plus 10?	$22 + 10 = \square$	32
10							What is 22 plus 9?	$22 + 9 = \square$	31
							"Explain how you got your answer."		
11							What is 3 plus 10?	$3 + 10 = \square$	13
12							What is 3 plus 9?	$3 + 9 = \square$	12
13							What is 13 plus 10?	$13 + 10 = \square$	23
14							What is 13 plus 9?	$13 + 9 = \square$	22
15							What is 23 plus 10?	$23 + 10 = \square$	33
16							What is 23 plus 9?	$23 + 9 = \square$	32
17							What is 6 plus 10?	$6 + 10 = \square$	16
18							What is 6 plus 9?	$6 + 9 = \square$	15
19							What is 16 plus 10?	$16 + 10 = \square$	26
20							What is 16 plus 9?	$16 + 9 = \square$	25
21							What is 26 plus 10?	$26 + 10 = \square$	36
22							What is 36 plus 9?	$36 + 9 = \square$	45
23							What is 8 plus 10?	$8 + 10 = \square$	18
24							What is 8 plus 9?	$8 + 9 = \square$	17
25							What is 28 plus 9?	$28 + 9 = \square$	37

# NumberSense

## Book 4: Page 32



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 1 more than 90?	$90 + 1 = \square$	91
2							What is 1 more than 95?	$95 + 1 = \square$	96
3							What is 2 more than 93?	$93 + 2 = \square$	95
4							What is 1 more than 98?	$98 + 1 = \square$	99
5							What is 1 more than 99?	$99 + 1 = \square$	100
6							What is 3 more than 100?	$100 + 3 = \square$	103
7							What is 3 more than 103?	$103 + 3 = \square$	106
8							What is 90 less than 1?	$90 - 1 = \square$	89
9							What is 94 less than 4?	$94 - 4 = \square$	90
10							What is 93 less than 3?	$93 - 3 = \square$	90
11							What is 95 less than 5?	$95 - 5 = \square$	90
12							What is 98 less than 8?	$98 - 8 = \square$	90
13							What is 100 less than 1?	$100 - 1 = \square$	99
14							What is 101 less than 1?	$101 - 1 = \square$	100
15							What is 103 less than 2?	$103 - 2 = \square$	101
16							What is 10 plus 10?	$10 + 10 = \square$	20
17							What is 20 plus 10?	$20 + 10 = \square$	30
18							What is 20 plus 20?	$20 + 20 = \square$	40
							"What do you notice?"		
19							What is 20 plus 30?	$20 + 30 = \square$	50
20							What is 30 plus 10?	$30 + 10 = \square$	40
21							What is 50 plus 20?	$50 + 20 = \square$	70
22							What is 30 minus 10?	$30 - 10 = \square$	20
							"Explain how you got your answer."		
23							What is 50 minus 20?	$50 - 20 = \square$	30
24							What is 70 minus 10?	$70 - 10 = \square$	60
25							What is 90 minus 10?	$90 - 10 = \square$	80

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 33		
1							What is 2 doubled?	2 doubled = <input type="text"/>	4
2							What is 6 doubled?	6 doubled = <input type="text"/>	12
3							What is 10 doubled?	10 doubled = <input type="text"/>	20
4							What is 16 doubled? Explain.	16 doubled = <input type="text"/>	32
5							What is 30 doubled?	30 doubled = <input type="text"/>	60
6							What is 32 doubled?	32 doubled = <input type="text"/>	64
7							What is 10 doubled?	10 doubled = <input type="text"/>	20
8							What is 8 doubled?	8 doubled = <input type="text"/>	16
9							What is 18 doubled? Explain.	18 doubled = <input type="text"/>	36
10							What is 1 doubled?	1 doubled = <input type="text"/>	2
11							What is 10 doubled?	10 doubled = <input type="text"/>	20
12							What is 4 doubled?	4 doubled = <input type="text"/>	8
13							What is 40 doubled?	40 doubled = <input type="text"/>	80
14							What is 6 doubled?	6 doubled = <input type="text"/>	12
15							What is 7 doubled?	7 doubled = <input type="text"/>	14
16							What is 12 doubled?	12 doubled = <input type="text"/>	24
17							What is 13 doubled?	13 doubled = <input type="text"/>	26
18							What is 14 doubled?	14 doubled = <input type="text"/>	28
19							What is 15 doubled?	15 doubled = <input type="text"/>	30
20							What is 22 doubled?	22 doubled = <input type="text"/>	44
21							What is 24 doubled?	24 doubled = <input type="text"/>	48
22							What is 25 doubled?	25 doubled = <input type="text"/>	50
23							What is 26 doubled? Explain.	26 doubled = <input type="text"/>	52
24							What is 30 doubled?	30 doubled = <input type="text"/>	60
25							What is 31 doubled?	31 doubled = <input type="text"/>	62

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 34		
1							What is 1 more than 95?	$95 + 1 = \square$	96
2							What is 1 more than 96?	$96 + 1 = \square$	97
3							What is 1 more than 99?	$99 + 1 = \square$	100
4							What is 1 more than 100?	$100 + 1 = \square$	101
5							What is 1 more than 103?	$103 + 1 = \square$	104
6							What is 1 more than 109?	$109 + 1 = \square$	110
7							What is 1 less than 95?	$95 - 1 = \square$	94
8							What is 1 less than 93?	$93 - 1 = \square$	92
9							What is 1 less than 99?	$99 - 1 = \square$	98
10							What is 1 less than 100?	$100 - 1 = \square$	99
11							What is 109 minus 1?	$109 - 1 = \square$	108
12							What is 111 minus 1?	$111 - 1 = \square$	110
13							What is 5 plus 5?	$5 + 5 = \square$	10
14							What is 15 plus 5?	$15 + 5 = \square$	20
15							What is 35 plus 5?	$35 + 5 = \square$	40
							"What do you notice?"		
16							What is 55 plus 5?	$55 + 5 = \square$	60
17							What is 75 plus 5?	$75 + 5 = \square$	80
18							What is 95 plus 5?	$95 + 5 = \square$	100
19							What is 10 plus 5?	$10 + 5 = \square$	15
20							What is 20 plus 5?	$20 + 5 = \square$	25
21							What is 40 plus 5?	$40 + 5 = \square$	45
22							What is 60 plus 5?	$60 + 5 = \square$	65
							"What do you notice?"		
23							What is 80 plus 5?	$80 + 5 = \square$	85
24							What is 90 plus 5?	$90 + 5 = \square$	95
25							What is 100 plus 5?	$100 + 5 = \square$	105

# NumberSense

## Book 4: Page 35



	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1			Yellow				What is 6 plus 4?	$6 + 4 = \square$ 10
2			Yellow				What is 26 plus 4?	$26 + 4 = \square$ 30
3			Yellow				What is 36 plus 4?	$36 + 4 = \square$ 40
							"What do you notice?"	
4			Yellow				What is 16 plus 4?	$16 + 4 = \square$ 20
5			Yellow				What is 6 plus 4?	$6 + 4 = \square$ 10
6				Blue			What is 7 plus 4?	$7 + 4 = \square$ 11
7				Blue			What is 27 plus 4?	$27 + 4 = \square$ 31
							"Explain how you got your answer."	
8				Blue			What is 37 plus 4?	$37 + 4 = \square$ 41
9				Blue			What is 17 plus 4?	$17 + 4 = \square$ 21
10			Yellow				What is 8 plus 2?	$8 + 2 = \square$ 10
11			Yellow				What is 18 plus 2?	$18 + 2 = \square$ 20
12			Yellow				What is 28 plus 2?	$28 + 2 = \square$ 30
13			Yellow				What is 8 plus 2?	$8 + 2 = \square$ 10
14				Blue			What is 9 plus 2?	$9 + 2 = \square$ 11
15				Blue			What is 19 plus 2?	$19 + 2 = \square$ 21
16				Blue			What is 29 plus 2?	$29 + 2 = \square$ 31
17	Red						What number, plus 8 will give 9?	$\square + 8 = 9$ 1
18			Yellow				What number, plus 8 will give 10?	$\square + 8 = 10$ 2
19			Yellow				What number, plus 8 will give 20?	$\square + 8 = 20$ 12
20			Yellow				What number, plus 8 will give 30?	$\square + 8 = 30$ 22
21			Yellow				What number, plus 8 will give 40?	$\square + 8 = 40$ 32
22			Yellow				What number, plus 6 will give 10?	$\square + 6 = 10$ 4
23			Yellow				What number, plus 6 will give 20?	$\square + 6 = 20$ 14
24			Yellow				What number, plus 6 will give 30?	$\square + 6 = 30$ 24
25			Yellow				What number, plus 6 will give 40?	$\square + 6 = 40$ 34

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 36		
1							What is 3 doubled?	3 doubled = <input type="text"/>	6
2							What is 4 doubled?	4 doubled = <input type="text"/>	8
3							What is 20 doubled?	20 doubled = <input type="text"/>	40
4							What is 24 doubled?	24 doubled = <input type="text"/>	48
							"Explain how you got your answer."		
5							What is 40 doubled?	40 doubled = <input type="text"/>	80
6							What is 8 doubled?	8 doubled = <input type="text"/>	16
7							What is 48 doubled?	48 doubled = <input type="text"/>	96
8							What is 8 doubled?	8 doubled = <input type="text"/>	16
9							What is 10 doubled?	10 doubled = <input type="text"/>	20
10							What is 18 doubled?	18 doubled = <input type="text"/>	36
11							What is 6 doubled?	6 doubled = <input type="text"/>	12
12							What is 30 doubled?	30 doubled = <input type="text"/>	60
13							What is 36 doubled?	36 doubled = <input type="text"/>	72
14							What is 10 doubled?	10 doubled = <input type="text"/>	20
15							What is 6 doubled?	6 doubled = <input type="text"/>	12
16							What is 16 doubled?	16 doubled = <input type="text"/>	32
17							What is 10 doubled?	10 doubled = <input type="text"/>	20
18							What is 7 doubled?	7 doubled = <input type="text"/>	14
19							What is 17 doubled?	17 doubled = <input type="text"/>	34
20							What is 20 doubled?	20 doubled = <input type="text"/>	40
21							What is 6 doubled?	6 doubled = <input type="text"/>	12
22							What is 26 doubled?	26 doubled = <input type="text"/>	52
							"Explain how you got your answer."		
23							What is 20 doubled?	20 doubled = <input type="text"/>	40
24							What is 8 doubled?	8 doubled = <input type="text"/>	16
25							What is 28 doubled?	28 doubled = <input type="text"/>	56

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 37		
1							What is 1 more than 20?	$20 + 1 = \square$	21
2							What is 1 more than 70?	$70 + 1 = \square$	71
3							What is 1 more than 100?	$100 + 1 = \square$	101
4							What is 1 more than 101?	$101 + 1 = \square$	102
							"Explain how you got your answer."		
5							What is 1 more than 10?	$10 + 1 = \square$	11
6							What is 1 more than 110?	$110 + 1 = \square$	111
7							What is 1 more than 111?	$111 + 1 = \square$	112
8							What is 1 more than 9?	$9 + 1 = \square$	10
9							What is 1 more than 79?	$79 + 1 = \square$	80
10							What is 1 less than 10?	$10 - 1 = \square$	9
11							What is 1 less than 110?	$110 - 1 = \square$	109
							"Explain how you got your answer."		
12							What is 1 less than 100?	$100 - 1 = \square$	99
13							What is 1 less than 70?	$70 - 1 = \square$	69
14							What is 1 less than 11?	$11 - 1 = \square$	10
15							What is 1 less than 111?	$111 - 1 = \square$	110
16							What is 1 less than 9?	$9 - 1 = \square$	8
17							What is 1 less than 79?	$79 - 1 = \square$	78
18							What is 1 less than 189?	$189 - 1 = \square$	88
19							What is 1 more than 20?	$20 + 1 = \square$	21
20							What is 1 more than 120?	$120 + 1 = \square$	121
21							What is 1 less than 20?	$20 - 1 = \square$	19
22							What is 1 less than 120?	$120 - 1 = \square$	119
23							What is 1 less than 30?	$30 - 1 = \square$	29
24							What is 1 less than 50?	$50 - 1 = \square$	49
25							What is 1 less than 170?	$170 - 1 = \square$	169

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 38		
1			■				What must be added to 8 to get 10?	$8 + \square = 10$	2
2				■			What must be added to 8 to get 12?	$8 + \square = 12$	4
3			■				What must be added to 28 to get 30?	$28 + \square = 30$	2
4				■			What must be added to 28 to get 32?	$28 + \square = 32$	4
							"Explain how you got your answer."		
5			■				What must be added to 38 to get 40?	$38 + \square = 40$	2
6				■			What must be added to 38 to get 42?	$38 + \square = 42$	4
7			■				What must be added to 18 to get 20?	$18 + \square = 20$	2
8				■			What must be added to 18 to get 22?	$18 + \square = 22$	4
9			■				What must be added to 7 to get 10?	$7 + \square = 10$	3
10				■			What must be added to 7 to get 11?	$7 + \square = 11$	4
11			■				What must be added to 27 to get 30?	$27 + \square = 30$	3
12				■			What must be added to 27 to get 31?	$27 + \square = 31$	4
13			■				What must be added to 37 to get 40?	$37 + \square = 40$	3
14				■			What must be added to 37 to get 41?	$37 + \square = 41$	4
15			■				What must be added to 47 to get 50?	$47 + \square = 50$	3
16				■			What must be added to 47 to get 51?	$47 + \square = 51$	4
17			■				What must be added to 17 to get 20?	$17 + \square = 20$	3
18				■			What must be added to 17 to get 21?	$17 + \square = 21$	4
							"Explain how you got your answer."		
19			■				What must be added to 9 to get 10?	$9 + \square = 10$	1
20				■			What must be added to 9 to get 11?	$9 + \square = 11$	2
21			■				What must be added to 19 to get 20?	$19 + \square = 20$	1
22				■			What must be added to 19 to get 21?	$19 + \square = 21$	2
23			■				What must be added to 29 to get 30?	$29 + \square = 30$	1
24				■			What must be added to 29 to get 31?	$29 + \square = 31$	2
25				■			What must be added to 39 to get 41?	$39 + \square = 41$	2

# NumberSense

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be added to 4 to get 8?	$4 + \square = 8$	4
2							What must be added to 4 to get 6?	$4 + \square = 6$	2
3							What must be added to 8 to get 10?	$8 + \square = 10$	2
4							What must be added to 8 to get 12?	$8 + \square = 12$	4
5							What must be added to 8 to get 16?	$8 + \square = 16$	8
6							What must be added to 2 to get 10?	$2 + \square = 10$	8
7							What must be added to 2 to get 12?	$2 + \square = 12$	10
8							What must be added to 2 to get 13?	$2 + \square = 13$	11
9							What must be added to 6 to get 12?	$6 + \square = 12$	6
10							What must be added to 6 to get 13?	$6 + \square = 13$	7
11							What must be added to 6 to get 14?	$6 + \square = 14$	8
12							What must be added to 6 to get 15?	$6 + \square = 15$	9
13							What must be added to 9 to get 10?	$9 + \square = 10$	1
14							What must be added to 9 to get 11?	$9 + \square = 11$	2
15							What must be added to 9 to get 12?	$9 + \square = 12$	3
							"What do you notice?"		
16							What must be added to 9 to get 13?	$9 + \square = 13$	4
17							What must be added to 9 to get 15?	$9 + \square = 15$	6
18							What is 10 plus 5?	$10 + 5 = \square$	15
19							What is 20 plus 5?	$20 + 5 = \square$	25
20							What is 120 plus 5?	$120 + 5 = \square$	125
21							What is 130 plus 5?	$130 + 5 = \square$	135
22							What is 5 plus 5?	$5 + 5 = \square$	10
23							What is 105 plus 5?	$105 + 5 = \square$	110
							"Explain how you got your answer."		
24							What is 15 plus 5?	$15 + 5 = \square$	20
25							What is 115 plus 5?	$115 + 5 = \square$	120

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 40		
1							What is 10 plus 3?	$10 + 3 = \square$	13
2							What is 20 plus 3?	$20 + 3 = \square$	23
3							What is 30 plus 3?	$30 + 3 = \square$	33
4							What is 40 plus 3?	$40 + 3 = \square$	43
5							What is 50 plus 3?	$50 + 3 = \square$	53
							"What do you notice?"		
6							What is 10 plus 7?	$10 + 7 = \square$	17
7							What is 20 plus 7?	$20 + 7 = \square$	27
8							What is 30 plus 7?	$30 + 7 = \square$	37
9							What is 40 plus 7?	$40 + 7 = \square$	47
10							What is 50 plus 7?	$50 + 7 = \square$	57
11							What is 10 plus 8?	$10 + 8 = \square$	18
12							What is 20 plus 8?	$20 + 8 = \square$	28
13							What is 30 plus 8?	$30 + 8 = \square$	38
14							What is 40 plus 8?	$40 + 8 = \square$	48
15							What is 50 plus 8?	$50 + 8 = \square$	58
16							How much is 1, 20 cents pieces?	<input type="text"/>	20
17							How much is 2, 20 cents pieces?	<input type="text"/>	40
							"Explain how you got your answer."		
18							How much is 3, 20 cents pieces?	<input type="text"/>	60
19							How much is 4, 20 cents pieces?	<input type="text"/>	80
20							How much is 8, 20 cents pieces?	<input type="text"/>	160
21							How much is 5, 20 cents pieces?	<input type="text"/>	100
22							How much is 10, 20 cents pieces?	<input type="text"/>	200
23							How much is 6, 20 cents pieces?	<input type="text"/>	120
24							How much is 7, 20 cents pieces?	<input type="text"/>	140
25							How much is 9, 20 cents pieces?	<input type="text"/>	180

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 41		
1							What is 10 minus 5?	$10 - 5 = \square$	5
2							What is 11 minus 5?	$11 - 5 = \square$	6
3							What is 21 minus 5?	$21 - 5 = \square$	16
4							What is 22 minus 5?	$22 - 5 = \square$	17
5							What is 23 minus 5?	$23 - 5 = \square$	18
							"What do you notice?"		
6							What is 24 minus 5?	$24 - 5 = \square$	19
7							What is 25 minus 5?	$25 - 5 = \square$	20
8							What is 10 minus 4?	$10 - 4 = \square$	6
9							What is 11 minus 4?	$11 - 4 = \square$	7
10							What is 21 minus 4?	$21 - 4 = \square$	17
11							What is 22 minus 4?	$22 - 4 = \square$	18
12							What is 23 minus 4?	$23 - 4 = \square$	19
13							What is 24 minus 4?	$24 - 4 = \square$	20
							"Explain how you got your answer."		
14							What is 5 plus 10?	$5 + 10 = \square$	15
15							What is 5 plus 9?	$5 + 9 = \square$	14
16							What is 25 plus 10?	$25 + 10 = \square$	35
17							What is 25 plus 9?	$25 + 9 = \square$	34
18							What is 35 plus 10?	$35 + 10 = \square$	45
19							What is 45 plus 9?	$45 + 9 = \square$	54
20							What is 6 plus 10?	$6 + 10 = \square$	16
21							What is 6 plus 9?	$6 + 9 = \square$	15
22							What is 16 plus 9?	$16 + 9 = \square$	25
23							What is 26 plus 9?	$26 + 9 = \square$	35
24							What is 36 plus 9?	$36 + 9 = \square$	45
25							What is 46 plus 9?	$46 + 9 = \square$	55

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 42		
1							What is 3 more than 10?	$10 + 3 = \square$	13
2							What is 3 more than 20?	$20 + 3 = \square$	23
3							What is 3 more than 30?	$30 + 3 = \square$	33
							"What do you notice?"		
4							What is 3 more than 40?	$40 + 3 = \square$	43
5							What is 3 more than 3?	$3 + 3 = \square$	6
6							What is 3 more than 23?	$23 + 3 = \square$	26
7							What is 3 more than 33?	$33 + 3 = \square$	36
8							What is 3 more than 43?	$43 + 3 = \square$	46
9							What is 3 more than 13?	$13 + 3 = \square$	16
10							What is 3 more than 6?	$6 + 3 = \square$	9
11							What is 3 more than 26?	$26 + 3 = \square$	29
12							What is 3 more than 66?	$66 + 3 = \square$	69
							"Explain how you got your answer."		
13							What is 3 more than 96?	$96 + 3 = \square$	99
14							What is 10 plus 3?	$10 + 3 = \square$	13
15							What is 9 plus 3?	$9 + 3 = \square$	12
16							What is 29 plus 3?	$29 + 3 = \square$	32
17							What is 39 plus 3?	$39 + 3 = \square$	42
							"Explain how you got your answer."		
18							What is 59 plus 3?	$59 + 3 = \square$	62
19							What is 2 plus 3?	$2 + 3 = \square$	5
20							What is 12 plus 3?	$12 + 3 = \square$	15
21							What is 22 plus 3?	$22 + 3 = \square$	25
22							What is 32 plus 3?	$32 + 3 = \square$	35
23							What is 5 plus 3?	$5 + 3 = \square$	8
24							What is 15 plus 3?	$15 + 3 = \square$	18
25							What is 25 plus 3?	$25 + 3 = \square$	28

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
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 50 plus 10?	$50 + 10 = \square$ 60
5							What is 150 plus 10?	$150 + 10 = \square$ 160
							"Explain how you got your answer."	
6							What is 70 plus 10?	$70 + 10 = \square$ 80
7							What is 130 minus 10?	$130 - 10 = \square$ 120
8							What is 100 minus 10?	$100 - 10 = \square$ 90
9							What is 50 minus 10?	$50 - 10 = \square$ 40
10							What is 20 minus 10?	$20 - 10 = \square$ 10
11							What is 60 plus 5?	$60 + 5 = \square$ 65
12							What is 80 plus 5?	$80 + 5 = \square$ 85
13							What is 100 plus 5?	$100 + 5 = \square$ 105
							"What do you notice?"	
14							What is 110 plus 5?	$110 + 5 = \square$ 115
15							What is 15 plus 5?	$15 + 5 = \square$ 20
16							What is 115 plus 5?	$115 + 5 = \square$ 120
17							What is 125 plus 5?	$125 + 5 = \square$ 130
18							What is 145 plus 5?	$145 + 5 = \square$ 150
19							What is 175 plus 5?	$175 + 5 = \square$ 180
20							What is 195 plus 5?	$195 + 5 = \square$ 200
21							How much is 3, threes?	9
22							How much is 6, threes?	18
23							How much is 12, threes?	36
							"What do you notice?"	
24							How much is 5, threes?	15
25							How much is 10, threes?	30

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 4: Page 44		
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 45 minus 3?	$45 - 3 = \square$	42
							"What do you notice?"		
5							What is 15 minus 3?	$15 - 3 = \square$	12
6							What is 6 minus 3?	$6 - 3 = \square$	3
7							What is 26 minus 3?	$26 - 3 = \square$	23
8							What is 36 minus 3?	$36 - 3 = \square$	33
9							What is 47 minus 3?	$47 - 3 = \square$	44
							"Explain how you got your answer."		
10							What is 7 minus 3?	$7 - 3 = \square$	4
11							What is 27 minus 3?	$27 - 3 = \square$	24
12							What is 37 minus 3?	$37 - 3 = \square$	34
13							What is 47 minus 3?	$47 - 3 = \square$	44
14							What is 48 minus 4?	$48 - 4 = \square$	44
							"Explain how you got your answer."		
15							What is 15 minus 4?	$15 - 4 = \square$	11
16							What is 25 minus 4?	$25 - 4 = \square$	21
17							What is 35 minus 4?	$35 - 4 = \square$	31
18							What is 6 minus 4?	$6 - 4 = \square$	2
19							What is 16 minus 4?	$16 - 4 = \square$	12
20							What is 26 minus 4?	$26 - 4 = \square$	22
21							What is 7 minus 4?	$7 - 4 = \square$	3
22							What is 17 minus 4?	$17 - 4 = \square$	13
23							What is 8 minus 4?	$8 - 4 = \square$	4
24							What is 18 minus 4?	$18 - 4 = \square$	14
25							What is 19 minus 4?	$19 - 4 = \square$	15

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be added to 7 to get 10?	$7 + \square = 10$	3
2							What must be added to 7 to get 11?	$7 + \square = 11$	4
3							What must be added to 17 to get 20?	$17 + \square = 20$	3
4							What must be added to 17 to get 21?	$17 + \square = 21$	4
5							What must be added to 27 to get 30?	$27 + \square = 30$	3
6							What must be added to 27 to get 31?	$27 + \square = 31$	4
							"Explain how you got your answer."		
7							What must be added to 37 to get 40?	$37 + \square = 40$	3
8							What must be added to 37 to get 41?	$37 + \square = 41$	4
9							What is 5 plus 5?	$5 + 5 = \square$	10
10							What is 6 plus 5?	$6 + 5 = \square$	11
11							What is 15 plus 5?	$15 + 5 = \square$	20
12							What is 16 plus 5?	$16 + 5 = \square$	21
13							What is 25 plus 5?	$25 + 5 = \square$	30
14							What is 26 plus 5?	$26 + 5 = \square$	31
15							What is 36 plus 5?	$36 + 5 = \square$	41
16							What is 47 plus 5?	$47 + 5 = \square$	52
							"Explain how you got your answer."		
17							What is 6 plus 4?	$6 + 4 = \square$	10
18							What is 16 plus 4?	$16 + 4 = \square$	20
19							What is 26 plus 4?	$26 + 4 = \square$	30
20							What is 9 plus 1?	$9 + 1 = \square$	10
21							What is 9 plus 11?	$9 + 11 = \square$	20
22							What is 9 plus 21?	$9 + 21 = \square$	30
23							What is 7 plus 3?	$7 + 3 = \square$	10
24							What is 17 plus 3?	$17 + 3 = \square$	20
25							What is 27 plus 3?	$27 + 3 = \square$	30

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
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 6 plus 3?	$6 + 3 = \square$ 9
6							What is 26 plus 3?	$26 + 3 = \square$ 29
7							What is 36 plus 3?	$36 + 3 = \square$ 39
							"What do you notice?"	
8							What is 66 plus 3?	$66 + 3 = \square$ 69
9							What is 5 plus 5?	$5 + 5 = \square$ 10
10							What is 5 plus 4?	$5 + 4 = \square$ 9
11							What is 25 plus 4?	$25 + 4 = \square$ 29
12							What is 35 plus 4?	$35 + 4 = \square$ 39
13							What is 65 plus 4?	$65 + 4 = \square$ 69
14							What must be added to 4 to get 9?	$4 + \square = 9$ 5
15							What must be added to 14 to get 19?	$14 + \square = 19$ 5
16							What must be added to 24 to get 29?	$24 + \square = 29$ 5
17							What must be added to 34 to get 39?	$34 + \square = 39$ 5
18							What must be added to 5 to get 10?	$5 + \square = 10$ 5
19							What must be added to 15 to get 20?	$15 + \square = 20$ 5
20							What must be added to 75 to get 80?	$75 + \square = 80$ 5
21							What must be added to 95 to get 100?	$95 + \square = 100$ 5
22							What must be added to 6 to get 10?	$6 + \square = 10$ 4
23							What must be added to 6 to get 11?	$6 + \square = 11$ 5
24							What must be added to 6 to get 21?	$6 + \square = 21$ 15
25							What must be added to 6 to get 31?	$6 + \square = 31$ 25

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	Single Digit Arithmetic	Arithmetic with Multiples of 10s	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be subtracted from 8 to get 5?	$8 - \square = 5$	3
2							What must be subtracted from 18 to get 15?	$18 - \square = 15$	3
3							What must be subtracted from 28 to get 25?	$28 - \square = 25$	3
4							What must be subtracted from 10 to get 8?	$10 - \square = 8$	2
5							What must be subtracted from 11 to get 8? Explain.	$11 - \square = 8$	3
6							What must be subtracted from 21 to get 18?	$21 - \square = 18$	3
7							What must be subtracted from 31 to get 28?	$31 - \square = 28$	3
8							What must be subtracted from 41 to get 38?	$41 - \square = 38$	3
9							What must be subtracted from 5 to get 2?	$5 - \square = 2$	3
10							What must be subtracted from 15 to get 12?	$15 - \square = 12$	3
11							What must be subtracted from 25 to get 22?	$25 - \square = 22$	3
12							What number, minus 5 will give you 10?	$\square - 5 = 10$	15
13							What number, minus 5 will give you 11?	$\square - 5 = 11$	16
14							What number, minus 5 will give you 12?	$\square - 5 = 12$	17
15							What number, minus 5 will give you 13?	$\square - 5 = 13$	18
16							What number, minus 5 will give you 14?	$\square - 5 = 14$	19
17							What number, minus 5 will give you 15?	$\square - 5 = 15$	20
18							What number, plus 6 will give you 10?	$\square + 6 = 10$	4
19							What number, plus 6 will give you 11?	$\square + 6 = 11$	5
20							What number, plus 6 will give you 12?	$\square + 6 = 12$	6
21							What number, plus 6 will give you 13?	$\square + 6 = 13$	7
22							What number, plus 6 will give you 14?	$\square + 6 = 14$	8
23							What number, plus 6 will give you 15?	$\square + 6 = 15$	9
24							What number, plus 6 will give you 17?	$\square + 6 = 17$	11

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts		
1							What is 2 plus 3?	$2 + 3 = \square$ 5
2							What is 4 plus 3?	$4 + 3 = \square$ 7
3							What is 3 plus 3?	$3 + 3 = \square$ 6
4							What is 5 plus 3?	$5 + 3 = \square$ 8
							"What do you notice?"	
5							What is 6 plus 3?	$6 + 3 = \square$ 9
6							What is 2 plus 4?	$2 + 4 = \square$ 6
7							What is 12 plus 14?	$12 + 14 = \square$ 26
8							What is 22 plus 24?	$22 + 24 = \square$ 46
9							What is 3 plus 5?	$3 + 5 = \square$ 8
10							What is 13 plus 15?	$13 + 15 = \square$ 28
11							What is 23 plus 25?	$23 + 25 = \square$ 48
12							What is 5 plus 4?	$5 + 4 = \square$ 9
13							What is 15 plus 14?	$15 + 14 = \square$ 29
14							What is 25 plus 24?	$25 + 24 = \square$ 49
							"Explain how you got your answer."	
15							What is 20 plus 24?	$20 + 24 = \square$ 44
16							What is 20 plus 26?	$20 + 26 = \square$ 46
17							What is 8 plus 2?	$8 + 2 = \square$ 10
18							What is 8 plus 12?	$8 + 12 = \square$ 20
19							What is 8 plus 22?	$8 + 22 = \square$ 30
20							What is 4 plus 6?	$4 + 6 = \square$ 10
21							What is 14 plus 6?	$14 + 6 = \square$ 20
22							What is 24 plus 6? Explain.	$24 + 6 = \square$ 30
23							What is 7 plus 3?	$7 + 3 = \square$ 10
24							What is 7 plus 13?	$7 + 13 = \square$ 20
25							What is 7 plus 23?	$7 + 23 = \square$ 30