9

NumberSense
MENTAL MATHEMATICS

English

Teacher Guide

NumberSense: Manipulating Numbers

Workbook 9

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. Remember that children might notice patterns, or use strategies that were not the particular intent of the activity. This does not mean that the children are wrong; the teacher must discern between mathematically correct responses, and those that are not acceptable. This should then be discussed with the children. The goal, is for the children to answer the questions mentally using appropriate strategies.

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.

Question Number	Description of activities For Teacher's Reference only						What the teacher would say / Verbal question to be asked by the teacher	Number Sentence: For Teacher's Reference only	What the child would say / 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 9: Page 1		
1							What is 5 plus 5?	5 + 5 = ☐	10
2							What is 10 plus 5?	10 + 5 = ☐	15
3							What is 25 plus 5?	25 + 5 = ☐	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 9: Page 1		
1							What is 5 plus 5?	5 + 5 = ☐	10
2							What is 10 plus 5?	10 + 5 = ☐	15
3							What is 25 plus 5?	25 + 5 = ☐	30
4							What is 35 plus 5?	35 + 5 = ☐	40
5							What is 45 plus 5?	45 + 5 = ☐	50
							"What do you notice?"		
6							What is 55 plus 5?	55 + 5 = ☐	60
7							What is 75 plus 5?	75 + 5 = ☐	80
8							What is 95 plus 5?	95 + 5 = ☐	100
9							What is 105 plus 5?	105 + 5 = ☐	110
10							What is 115 plus 5?	115 + 5 = ☐	120
11							What is 125 plus 5?	125 + 5 = ☐	130
							"Explain how you got your answer."		
12							What is 30 plus 5?	30 + 5 = ☐	35
13							What is 50 plus 5?	50 + 5 = ☐	55
14							What is 70 plus 5?	70 + 5 = ☐	75
15							What is 80 plus 5?	80 + 5 = ☐	85
16							What is 10 plus 5?	10 + 5 = ☐	15
17							What is 110 plus 5?	110 + 5 = ☐	115
18							What is 15 minus 5?	15 - 5 = ☐	10
19							What is 35 minus 5?	35 - 5 = ☐	30
20							What is 75 minus 5?	75 - 5 = ☐	70
21							What is 95 minus 5?	95 - 5 = ☐	90
22							What is 20 minus 5?	20 - 5 = ☐	15
23							What is 40 minus 5?	40 - 5 = ☐	35
24							What is 90 minus 5?	90 - 5 = ☐	85
25							What is 100 minus 5?	100 - 5 = ☐	95

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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 4 plus 4?	4 + 4 = ☐	8
2	■						What is 24 plus 4?	24 + 4 = ☐	28
3	■						What is 34 plus 4?	34 + 4 = ☐	38
4	■						What is 44 plus 4?	44 + 4 = ☐	48
5	■						What is 54 plus 4?	54 + 4 = ☐	58
							"What do you notice?"		
6	■						What is 94 plus 4?	94 + 4 = ☐	98
7	■						What is 104 plus 4?	104 + 4 = ☐	108
8				■			What is 8 plus 4?	8 + 4 = ☐	12
9				■			What is 28 plus 4?	28 + 4 = ☐	32
10				■			What is 38 plus 4?	38 + 4 = ☐	42
11				■			What is 48 plus 4?	48 + 4 = ☐	52
							"Explain how you got your answer."		
12				■			What is 68 plus 4?	68 + 4 = ☐	72
13				■			What is 88 plus 4?	88 + 4 = ☐	92
14			■				What is 6 plus 4?	6 + 4 = ☐	10
15			■				What is 16 plus 4?	16 + 4 = ☐	20
16			■				What is 26 plus 4?	26 + 4 = ☐	30
17			■				What is 36 plus 4?	36 + 4 = ☐	40
18			■				What is 46 plus 4?	46 + 4 = ☐	50
19			■				What is 86 plus 4?	86 + 4 = ☐	90
20	■						What number plus 8 equals 48?	☐ + 8 = 48	40
21	■						What number plus 7 equals 47?	☐ + 7 = 47	40
22	■						What number plus 6 equals 36? Explain.	☐ + 6 = 36	30
23	■						What number plus 5 equals 55?	☐ + 5 = 55	50
24	■						What number plus 50 equals 53?	☐ + 50 = 53	3
25	■						What number plus 60 equals 67?	☐ + 60 = 67	7

	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 15?	$5 + \square = 15$	10
2							What must be added to 7 to get 17? Explain.	$7 + \square = 17$	10
3							What must be added to 8 to get 18?	$8 + \square = 18$	10
4							What must be added to 8 to get 28?	$8 + \square = 28$	20
5							What must be added to 8 to get 38?	$8 + \square = 38$	30
6							What must be added to 8 to get 48?	$8 + \square = 48$	40
7							What must be added to 4 to get 14? Explain.	$4 + \square = 14$	10
8							What must be added to 4 to get 24? Explain.	$4 + \square = 24$	20
9							What must be added to 4 to get 44?	$4 + \square = 44$	40
10							What must be added to 4 to get 64? Explain.	$4 + \square = 64$	60
11							What must be added to 4 to get 74?	$4 + \square = 74$	70
12							What must be added to 5 to get 15? Explain.	$5 + \square = 15$	10
13							What must be added to 5 to get 35?	$5 + \square = 35$	30
14							What must be added to 5 to get 65? Explain.	$5 + \square = 65$	60
15							What must be added to 5 to get 85?	$5 + \square = 85$	80
16							What must be added to 7 to get 17?	$7 + \square = 17$	10
17							What must be added to 7 to get 27?	$7 + \square = 27$	20
18							What must be added to 7 to get 37? Explain.	$7 + \square = 37$	30
19							What must be added to 7 to get 47?	$7 + \square = 47$	40
20							What must be added to 7 to get 57? Explain.	$7 + \square = 57$	50
21							What must be added to 7 to get 67?	$7 + \square = 67$	60
22							What must be added to 3 to get 13?	$3 + \square = 13$	10
23							What must be added to 3 to get 23? Explain.	$3 + \square = 23$	20
24							What must be added to 3 to get 43?	$3 + \square = 43$	40
25							What must be added to 3 to get 53?	$3 + \square = 53$	50

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What number plus 2 equals 12?	12 = ☐ + 2	10
2	■						What number plus 3 equals 12?	12 = ☐ + 3	9
3	■						What number plus 4 equals 12?	12 = ☐ + 4	8
4	■						What number plus 5 equals 12?	12 = ☐ + 5	7
5	■						What number plus 3 equals 13?	13 = ☐ + 3	10
	■						"Explain how you got your answer."		
6	■						What number plus 2 equals 13?	13 = ☐ + 2	11
7	■						What number plus 3 equals 13?	13 = ☐ + 3	10
8	■						What number plus 4 equals 13?	13 = ☐ + 4	9
9	■						What number plus 5 equals 13?	13 = ☐ + 5	8
10	■						What number plus 3 equals 23?	23 = ☐ + 3	20
	■						"Explain how you got your answer."		
11	■						What number plus 2 equals 33?	33 = ☐ + 2	31
12	■						What number plus 1 equals 33?	33 = ☐ + 1	32
13	■						What number plus 3 equals 33?	33 = ☐ + 3	30
14	■						What number plus 4 equals 33?	33 = ☐ + 4	29
15	■						What is 3 plus 10?	3 + 10 = ☐	13
16				■			What is 3 plus 9?	3 + 9 = ☐	12
17	■						What is 13 plus 10?	13 + 10 = ☐	23
18				■			What is 13 plus 9?	13 + 9 = ☐	22
19	■						What is 23 plus 10?	23 + 10 = ☐	33
20				■			What is 23 plus 9?	23 + 9 = ☐	32
21	■						What is 33 plus 10?	33 + 10 = ☐	43
22				■			What is 33 plus 9?	33 + 9 = ☐	42
23	■						What is 43 plus 10?	43 + 10 = ☐	53
24				■			What is 43 plus 9?	43 + 9 = ☐	52
25				■			What is 53 plus 9?	53 + 9 = ☐	62

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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 times 10?	2 × 10 = ☐	20
2							What is 2 times 5?	2 × 5 = ☐	10
3							What is 4 times 10?	4 × 10 = ☐	40
4							What is 4 times 5?	4 × 5 = ☐	20
5							What is half of 40?	40 halved = ☐	20
							"Do you notice anything?"		
6							What is 5 times 10?	5 × 10 = ☐	50
7							What is 5 times 5?	5 × 5 = ☐	25
8							What must 10 be multiplied by to get 50?	10 × ☐ = 50	5
9							What is 6 times 10?	6 × 10 = ☐	60
10							What is 6 times 5?	6 × 5 = ☐	30
11							What must 5 be multiplied by to get 30?	5 × ☐ = 30	6
12							What is 7 times 10?	7 × 10 = ☐	70
13							What is 7 times 5?	7 × 5 = ☐	35
14							What must 5 be multiplied by to get 35?	5 × ☐ = 35	7
15							What is 8 times 10?	8 × 10 = ☐	80
16							What is 8 times 5?	8 × 5 = ☐	40
17							What is 9 times 10?	9 × 10 = ☐	90
18							What is 9 times 5? Explain.	9 × 5 = ☐	45
19							What is 11 times 5?	11 × 5 = ☐	55
20							What is 12 times 10?	12 × 10 = ☐	120
21							What is 12 times 5?	12 × 5 = ☐	60
22							What is 13 times 10?	13 × 10 = ☐	130
23							What is 13 times 5?	13 × 5 = ☐	65
24							What must 10 be multiplied by to get 130? Explain.	10 × ☐ = 130	13
25							What must 5 be multiplied by to get 65?	5 × ☐ = 65	13

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1			■				What is 4 plus 6?	4 + 6 = ☐	10
2			■				What is 24 plus 6?	24 + 6 = ☐	30
3			■				What is 34 plus 6?	34 + 6 = ☐	40
4			■				What is 44 plus 6?	44 + 6 = ☐	50
							"Explain how you got your answer."		
5			■				What is 64 plus 6?	64 + 6 = ☐	70
6			■				What is 14 plus 6?	14 + 6 = ☐	20
7			■				What is 7 plus 3?	7 + 3 = ☐	10
8			■				What is 27 plus 3?	27 + 3 = ☐	30
9			■				What is 37 plus 3?	37 + 3 = ☐	40
10			■				What is 47 plus 3?	47 + 3 = ☐	50
11			■				What is 17 plus 3?	17 + 3 = ☐	20
12			■				What is 7 plus 3?	7 + 3 = ☐	10
13				■			What is 7 plus 4?	7 + 4 = ☐	11
14				■			What is 27 plus 4?	27 + 4 = ☐	31
15				■			What is 37 plus 4?	37 + 4 = ☐	41
							"Explain how you got your answer."		
16				■			What is 47 plus 4?	47 + 4 = ☐	51
17				■			What is 57 plus 4?	57 + 4 = ☐	61
18	■						What is 32 plus 5?	32 + 5 = ☐	37
19		■					What is 37 minus 20?	37 - 20 = ☐	17
20			■				What is 17 plus 3?	17 + 3 = ☐	20
21	■						What is 20 plus 4?	20 + 4 = ☐	24
22			■				What is 24 plus 6?	24 + 6 = ☐	30
23				■			What is 30 minus 9?	30 - 9 = ☐	21
24	■						What is 21 plus 5?	21 + 5 = ☐	26
25	■						What is 26 plus 3?	26 + 3 = ☐	29

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 9: Page 7		
1							What is 2 times 3?	$2 \times 3 = \square$	6
2							What is 2 times 6?	$2 \times 6 = \square$	12
3							What is 6 doubled?	$6 \text{ doubled} = \square$	12
4							What is 4 times 3?	$4 \times 3 = \square$	12
5							What is 4 times 6?	$4 \times 6 = \square$	24
6							What is 12 doubled?	$12 \text{ doubled} = \square$	24
7							What is 5 times 3?	$5 \times 3 = \square$	15
8							What is 5 times 6?	$5 \times 6 = \square$	30
9							What is 15 doubled?	$15 \text{ doubled} = \square$	30
							"What do you notice?"		
10							What is 6 times 3?	$6 \times 3 = \square$	18
11							What is 6 times 6?	$6 \times 6 = \square$	36
12							What is 7 times 3?	$7 \times 3 = \square$	21
13							What is 7 times 6?	$7 \times 6 = \square$	42
14							What is 8 times 3?	$8 \times 3 = \square$	24
15							What is 8 times 6?	$8 \times 6 = \square$	48
							"Explain how you got your answer."		
16							What is 9 times 3?	$9 \times 3 = \square$	27
17							What is 9 times 6?	$9 \times 6 = \square$	54
18							What is 10 times 3?	$10 \times 3 = \square$	30
19							What is 10 times 6?	$10 \times 6 = \square$	60
20							What is 11 times 3?	$11 \times 3 = \square$	33
21							What is 11 times 6?	$11 \times 6 = \square$	66
22							What is 12 times 3?	$12 \times 3 = \square$	36
23							What is 12 times 6?	$12 \times 6 = \square$	72
24							What is 3 times 3?	$3 \times 3 = \square$	9
25							What is 3 times 6?	$3 \times 6 = \square$	18

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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 5 plus 5?	5 + 5 = ☐	10
2				▮			What is 6 plus 5?	6 + 5 = ☐	11
3				▮			What is 16 plus 5?	16 + 5 = ☐	21
4				▮			What is 16 plus 15?	16 + 15 = ☐	31
							"What do you notice?"		
5				▮			What is 16 plus 25?	16 + 25 = ☐	41
6				▮			What is 6 plus 5?	6 + 5 = ☐	11
7				▮			What is 26 plus 5?	26 + 5 = ☐	31
8				▮			What is 26 plus 15?	26 + 15 = ☐	41
9				▮			What is 26 plus 25?	26 + 25 = ☐	51
							"Explain how you got your answer."		
10				▮			What is 6 plus 5?	6 + 5 = ☐	11
11				▮			What is 36 plus 5?	36 + 5 = ☐	41
12				▮			What is 36 plus 15?	36 + 15 = ☐	51
13				▮			What is 36 plus 25?	36 + 25 = ☐	61
14				▮			What is 36 plus 35?	36 + 35 = ☐	71
15				▮			What is 6 plus 5?	6 + 5 = ☐	11
16				▮			What is 46 plus 5?	46 + 5 = ☐	51
17				▮			What is 46 plus 15?	46 + 15 = ☐	61
18				▮			What is 46 plus 25?	46 + 25 = ☐	71
19				▮			What is 6 plus 5?	6 + 5 = ☐	11
20				▮			What is 56 plus 5?	56 + 5 = ☐	61
21				▮			What is 56 plus 15?	56 + 15 = ☐	71
22				▮			What is 56 plus 25?	56 + 25 = ☐	81
23				▮			What is 76 plus 15?	76 + 15 = ☐	91
24				▮			What is 76 plus 25?	76 + 25 = ☐	101
							"Explain how you got your answer."		
25				▮			What is 86 plus 25?	86 + 25 = ☐	111

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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 times 10?	2 × 10 = ☐	20
2						▮	What is 2 times 5?	2 × 5 = ☐	10
3						▮	What is 3 times 10?	3 × 10 = ☐	30
4						▮	What is 3 times 5?	3 × 5 = ☐	15
5						▮	What is 4 times 10?	4 × 10 = ☐	40
6						▮	What is 4 times 5?	4 × 5 = ☐	20
7						▮	What is 6 times 10?	6 × 10 = ☐	60
8						▮	What is 6 times 5?	6 × 5 = ☐	30
9					▮		What is half of 60?	60 halved = ☐	30
							"What do you notice?"		
10						▮	What is 7 times 10?	7 × 10 = ☐	70
11						▮	What is 7 times 5?	7 × 5 = ☐	35
12						▮	What number must be multiplied by 5 to get 35?	☐ × 5 = 35	7
13						▮	What is 8 times 5?	8 × 5 = ☐	40
14						▮	What number must be multiplied by 5 to get 40?	☐ × 5 = 40	8
							"Explain how you got your answer."		
15						▮	What is 9 times 10?	9 × 10 = ☐	90
16						▮	What is 9 times 5?	9 × 5 = ☐	45
17						▮	What is 10 times 10?	10 × 10 = ☐	100
18						▮	What is 11 times 10?	11 × 10 = ☐	110
19						▮	What is 11 times 5?	11 × 5 = ☐	55
20						▮	What is 12 times 10?	12 × 10 = ☐	120
21						▮	What is 12 times 5?	12 × 5 = ☐	60
22						▮	What is 13 times 10?	13 × 10 = ☐	130
23						▮	What is 13 times 5?	13 × 5 = ☐	65
24						▮	What is 14 times 10?	14 × 10 = ☐	140
25						▮	What is 14 times 5?	14 × 5 = ☐	70

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1					▮		What is 6 doubled?	6 doubled = ☐	12
2					▮		What is 7 doubled?	7 doubled = ☐	14
3					▮		What is 9 doubled?	9 doubled = ☐	18
4					▮		What is 12 doubled?	12 doubled = ☐	24
5					▮		What is 13 doubled?	13 doubled = ☐	26
6					▮		What is 14 doubled?	14 doubled = ☐	28
7					▮		What is 15 doubled?	15 doubled = ☐	30
8					▮		What is 16 doubled? Explain.	16 doubled = ☐	32
9					▮		What is 24 doubled?	24 doubled = ☐	48
10					▮		What is 25 doubled?	25 doubled = ☐	50
11					▮		What is 50 doubled?	50 doubled = ☐	100
12					▮		What number is doubled to give 20?	☐ doubled = 20	10
13					▮		What number is doubled to give 24?	☐ doubled = 24	12
14					▮		What number is doubled to give 28?	☐ doubled = 28	14
15					▮		What number is doubled to give 50?	☐ doubled = 50	25
16					▮		What number is doubled to give 100? Explain.	☐ doubled = 100	50
17		▮					What must be added to 20 to get 30?	20 + ☐ = 30	10
18		▮					What must be subtracted from 30 to get 28?	30 - ☐ = 28	2
19		▮					What must be added to 28 to get 32?	28 + ☐ = 32	4
20		▮					What must be added to 32 to get 40?	32 + ☐ = 40	8
21		▮					What must be subtracted from 40 to get 37?	40 - ☐ = 37	3
22		▮					What must be added to 37 to get 41?	37 + ☐ = 41	4
23		▮					What must be added to 41 to get 48?	41 + ☐ = 48	7
24		▮					What must be added to 48 to get 70?	48 + ☐ = 70	22
25		▮					What must be added to 70 to get 110?	70 + ☐ = 110	40

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1				■			What is 6 plus 6?	$6 + 6 = \square$	12
2				■			What is 7 plus 6?	$7 + 6 = \square$	13
3				■			What is 6 plus 6?	$6 + 6 = \square$	12
4				■			What is 5 plus 6?	$5 + 6 = \square$	11
5			■				What is 5 plus 5?	$5 + 5 = \square$	10
6	■						What is 4 plus 5?	$4 + 5 = \square$	9
7				■			What is 7 plus 7?	$7 + 7 = \square$	14
8				■			What is 7 plus 8? Explain.	$7 + 8 = \square$	15
9				■			What is 6 plus 8?	$6 + 8 = \square$	14
10				■			What is 5 plus 8?	$5 + 8 = \square$	13
11	■	■					What is 10 plus 10?	$10 + 10 = \square$	20
12			■				What is 11 plus 9?	$11 + 9 = \square$	20
13			■				What is 11 plus 11?	$11 + 11 = \square$	22
14			■				What is 11 plus 12? Explain.	$11 + 12 = \square$	23
15			■				What is 11 plus 13?	$11 + 13 = \square$	24
16			■				What is 11 plus 15?	$11 + 15 = \square$	26
17	■						What is 20 plus 24?	$20 + 24 = \square$	44
18	■						What is 21 plus 22?	$21 + 22 = \square$	43
19	■						What is 24 plus 25?	$24 + 25 = \square$	49
20	■						What must be added to 100 to get 107? Explain.	$100 + \square = 107$	7
21	■						What must be added to 107 to get 127?	$107 + \square = 127$	20
22	■						What must be added to 103 to get 153?	$103 + \square = 153$	50
23	■						What must be added to 3 to get 143?	$3 + \square = 143$	140
24	■						What must be added to 200 to get 252? Explain.	$200 + \square = 252$	52
25	■						What must be added to 200 to get 213?	$200 + \square = 213$	13

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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 1 plus 4?	1 + 4 = ☐	5
2	■						What is 21 plus 4?	21 + 4 = ☐	25
3	■						What is 31 plus 4?	31 + 4 = ☐	35
4	■						What is 41 plus 4?	41 + 4 = ☐	45
							"What do you notice?"		
5	■						What is 51 plus 4?	51 + 4 = ☐	55
6	■						What is 11 plus 4?	11 + 4 = ☐	15
7			■				What is 5 plus 5?	5 + 5 = ☐	10
8	■						What is 5 plus 4?	5 + 4 = ☐	9
9	■						What is 25 plus 4?	25 + 4 = ☐	29
10	■						What is 35 plus 4?	35 + 4 = ☐	39
11	■						What is 45 plus 4?	45 + 4 = ☐	49
12	■						What is 65 plus 4?	65 + 4 = ☐	69
13	■						What is 33 plus 3?	33 + 3 = ☐	36
14	■						What is 36 plus 3?	36 + 3 = ☐	39
15				■			What is 44 minus 3?	44 - 3 = ☐	41
16	■						What is 41 plus 4?	41 + 4 = ☐	45
17			■				What is 45 plus 5?	45 + 5 = ☐	50
18	■						What is 50 plus 4?	50 + 4 = ☐	54
19	■						What is 54 minus 3?	54 - 3 = ☐	51
20	■						What is 51 plus 4?	51 + 4 = ☐	55
21				■			What is 55 plus 9?	55 + 9 = ☐	64
22				■			What is 64 minus 5?	64 - 5 = ☐	59
23				■			What is 59 plus 4?	59 + 4 = ☐	63
24	■						What is 63 plus 3?	63 + 3 = ☐	66
25	■						What is 66 minus 5?	66 - 5 = ☐	61

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	Question	Equation	Answer
1	■						What is 10 plus 4?	10 + 4 = ☐	14
2				■			What is 9 plus 4?	9 + 4 = ☐	13
3				■			What is 29 plus 4?	29 + 4 = ☐	33
4				■			What is 39 plus 4?	39 + 4 = ☐	43
							"What do you notice?"		
5				■			What is 49 plus 4?	49 + 4 = ☐	53
6	■			■			What is 10 plus 6?	10 + 6 = ☐	16
7				■			What is 9 plus 6?	9 + 6 = ☐	15
8				■			What is 29 plus 6?	29 + 6 = ☐	35
9				■			What is 39 plus 6?	39 + 6 = ☐	45
10				■			What is 59 plus 6?	59 + 6 = ☐	65
11	■			■			What is 10 plus 6?	10 + 6 = ☐	16
12				■			What is 8 plus 6?	8 + 6 = ☐	14
13				■			What is 28 plus 6?	28 + 6 = ☐	34
14				■			What is 38 plus 6?	38 + 6 = ☐	44
							"Explain how you got your answer."		
15				■			What is 58 plus 6?	58 + 6 = ☐	64
16				■			What is 78 plus 6?	78 + 6 = ☐	84
17	■			■			What is 10 plus 4?	10 + 4 = ☐	14
18				■			What is 8 plus 4?	8 + 4 = ☐	12
19				■			What is 28 plus 4?	28 + 4 = ☐	32
20				■			What is 38 plus 4?	38 + 4 = ☐	42
21	■						What is 39 plus 10?	☐ = 39 + 10	49
22	■						What is 28 plus 10?	☐ = 28 + 10	38
23	■						What is 17 plus 10?	☐ = 17 + 10	27
24	■						What is 46 plus 10?	☐ = 46 + 10	56
25	■						What is 55 plus 10?	☐ = 55 + 10	65

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What is 10 plus 7?	$10 + 7 = \square$	17
2				■			What is 9 plus 7?	$9 + 7 = \square$	16
3				■			What is 29 plus 7?	$29 + 7 = \square$	36
4				■			What is 19 plus 27?	$19 + 27 = \square$	46
5				■			What is 29 plus 27?	$29 + 27 = \square$	56
6				■			What is 39 plus 17?	$39 + 17 = \square$	56
							"Explain how you got your answer."		
7			■				What is 8 plus 2?	$8 + 2 = \square$	10
8				■			What is 8 plus 3?	$8 + 3 = \square$	11
9				■			What is 18 plus 3?	$18 + 3 = \square$	21
10				■			What is 18 plus 13?	$18 + 13 = \square$	31
11				■			What is 28 plus 13?	$28 + 13 = \square$	41
12				■			What is 28 plus 23?	$28 + 23 = \square$	51
13	■						What is 6 plus 3?	$6 + 3 = \square$	9
14	■						What is 16 plus 13?	$16 + 13 = \square$	29
15	■						What is 26 plus 13?	$26 + 13 = \square$	39
							"Explain how you got your answer."		
16	■						What must be added to 3 to get 9?	$3 + \square = 9$	6
17	■						What must be added to 13 to get 29?	$13 + \square = 29$	16
18				■			What must be added to 8 to get 16?	$8 + \square = 16$	8
19				■			What must be added to 9 to get 16?	$9 + \square = 16$	7
20				■			What must be added to 29 to get 36?	$29 + \square = 36$	7
21				■			What must be added to 29 to get 56?	$29 + \square = 56$	27
22				■			What must be added to 7 to get 16?	$7 + \square = 16$	9
23				■			What must be added to 17 to get 36?	$17 + \square = 36$	19
24				■			What must be added to 37 to get 56?	$37 + \square = 56$	19
25				■			What must be added to 38 to get 66?	$38 + \square = 66$	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 2 times 3?	2 × 3 = ☐	6
2							What is 2 times 6?	2 × 6 = ☐	12
3							What is 3 times 3?	3 × 3 = ☐	9
4							What is 3 times 6?	3 × 6 = ☐	18
							"What do you notice?"		
5							What is 7 times 3?	7 × 3 = ☐	21
6							What is 7 times 6?	7 × 6 = ☐	42
7							What must be multiplied by 6 to get 42? Explain.	☐ × 6 = 42	7
8							What is 8 times 6?	8 × 6 = ☐	48
9							What must be multiplied by 3 to get 24?	☐ × 3 = 24	8
10							What must be multiplied by 6 to get 48?	☐ × 6 = 48	8
11							What is 4 plus 6?	4 + 6 = ☐	10
12							What is 24 plus 6? Explain.	24 + 6 = ☐	30
13							What is 34 plus 6?	34 + 6 = ☐	40
14							What is 54 plus 6?	54 + 6 = ☐	60
15							What is 74 plus 6?	74 + 6 = ☐	80
16							What number plus 6 equals 10?	☐ + 6 = 10	4
17							What number plus 6 equals 20?	☐ + 6 = 20	14
18							What number plus 6 equals 30?	☐ + 6 = 30	24
19							What number plus 6 equals 40?	☐ + 6 = 40	34
							"Explain how you got your answer."		
20							What number plus 6 equals 50?	☐ + 6 = 50	44
21							What number plus 6 equals 60?	☐ + 6 = 60	54
22							What number plus 6 equals 80?	☐ + 6 = 80	74
23							What number plus 6 equals 90?	☐ + 6 = 90	84
24							What number plus 6 equals 100?	☐ + 6 = 100	94
25							What number plus 6 equals 110?	☐ + 6 = 110	104

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	NumberSense Book 9: Page 16		
1							What is 6 plus 4?	6 + 4 = ☐	10
2							What is 26 plus 4?	26 + 4 = ☐	30
3							What is 36 plus 4?	36 + 4 = ☐	40
							"What do you notice?"		
4							What is 46 plus 4?	46 + 4 = ☐	50
5							What is 56 plus 4?	56 + 4 = ☐	60
6							What is 16 plus 4?	16 + 4 = ☐	20
7							What is 7 plus 3?	7 + 3 = ☐	10
8							What is 27 plus 3?	27 + 3 = ☐	30
9							What is 37 plus 3?	37 + 3 = ☐	40
							"Explain how you got your answer."		
10							What is 47 plus 3?	47 + 3 = ☐	50
11							What is 67 plus 3?	67 + 3 = ☐	70
12							What is 17 plus 3?	17 + 3 = ☐	20
13							What must be added to 7 to get 10?	7 + ☐ = 10	3
14							What must be added to 17 to get 20?	17 + ☐ = 20	3
15							What must be added to 27 to get 30?	27 + ☐ = 30	3
16							What must be added to 37 to get 40?	37 + ☐ = 40	3
17							What must be added to 47 to get 50?	47 + ☐ = 50	3
18							What must be added to 57 to get 60?	57 + ☐ = 60	3
19							What must be added to 4 to get 10?	4 + ☐ = 10	6
20							What must be added to 14 to get 20?	14 + ☐ = 20	6
21							What must be added to 24 to get 30?	24 + ☐ = 30	6
22							What must be added to 34 to get 40?	34 + ☐ = 40	6
23							What must be added to 44 to get 50?	44 + ☐ = 50	6
24							What must be added to 54 to get 60?	54 + ☐ = 60	6
25							What must be added to 64 to get 70?	64 + ☐ = 70	6

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What is 2 plus 5?	2 + 5 = ☐	7
2	■						What is 12 plus 5?	12 + 5 = ☐	17
3	■						What is 12 plus 15?	12 + 15 = ☐	27
4	■						What is 22 plus 25?	22 + 25 = ☐	47
5	■						What is 22 plus 35?	22 + 35 = ☐	57
6	■						What is 2 plus 4?	2 + 4 = ☐	6
7	■						What is 12 plus 4?	12 + 4 = ☐	16
							"Explain how you got your answer."		
8	■						What is 12 plus 14?	12 + 14 = ☐	26
9	■						What is 12 plus 24?	12 + 24 = ☐	36
10	■						What is 22 plus 24?	22 + 24 = ☐	46
11			■				What is 5 plus 5?	5 + 5 = ☐	10
12	■						What is 5 plus 4?	5 + 4 = ☐	9
13	■						What is 15 plus 4?	15 + 4 = ☐	19
14	■						What is 15 plus 14?	15 + 14 = ☐	29
							"Explain how you got your answer."		
15	■						What is 25 plus 24?	25 + 24 = ☐	49
16	■						What is 5 plus 14?	5 + 14 = ☐	19
`			■				What is 3 plus 7?	3 + 7 = ☐	10
18				■			What is 5 plus 7?	5 + 7 = ☐	12
19				■			What is 15 plus 7?	15 + 7 = ☐	22
20				■			What is 15 plus 17?	15 + 17 = ☐	32
							"Explain how you got your answer."		
21						■	How many 2's in 4?	☐ × 2 = 4	2
22						■	How many 2's in 40? Explain.	☐ × 2 = 40	20
23						■	How many 2's in 8?	☐ × 2 = 8	4
24						■	How many 2's in 80? Explain.	☐ × 2 = 80	40
25						■	How many 2's in 48? Explain.	☐ × 2 = 48	24

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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 6 plus 4?	6 + 4 = ☐	10
2	■						What is 6 plus 3?	6 + 3 = ☐	9
3	■						What is 26 plus 3?	26 + 3 = ☐	29
4	■						What is 36 plus 3?	36 + 3 = ☐	39
							"Explain how you got your answer."		
5	■						What is 46 plus 3?	46 + 3 = ☐	49
6	■						What is 76 plus 3?	76 + 3 = ☐	79
7	■						What is 96 plus 3?	96 + 3 = ☐	99
8	■						What is 16 plus 3?	16 + 3 = ☐	19
9	■						What is 116 plus 3?	116 + 3 = ☐	119
							"Explain how you got your answer."		
10	■						What is 136 plus 3?	136 + 3 = ☐	139
11			■				What is 6 plus 4?	6 + 4 = ☐	10
12				■			What is 6 plus 5?	6 + 5 = ☐	11
13				■			What is 26 plus 5?	26 + 5 = ☐	31
14				■			What is 36 plus 5?	36 + 5 = ☐	41
15				■			What is 46 plus 5?	46 + 5 = ☐	51
16				■			What is 56 plus 5?	56 + 5 = ☐	61
							"Explain how you got your answer."		
17				■			What is 76 plus 5?	76 + 5 = ☐	81
18				■			What is 96 plus 5?	96 + 5 = ☐	101
19				■			What is 126 plus 5?	126 + 5 = ☐	131
20			■				What is 6 plus 4?	6 + 4 = ☐	10
21			■				What is 26 plus 4?	26 + 4 = ☐	30
22			■				What is 36 plus 4?	36 + 4 = ☐	40
23			■				What is 56 plus 4?	56 + 4 = ☐	60
							"Explain how you got your answer."		
24			■				What is 96 plus 4?	96 + 4 = ☐	100
25			■				What is 176 plus 4?	176 + 4 = ☐	180

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What is 10 plus 5?	10 + 5 = ☐	15
2	■						What is 20 plus 5?	20 + 5 = ☐	25
3	■						What is 30 plus 5?	30 + 5 = ☐	35
4	■						What is 40 plus 5?	40 + 5 = ☐	45
5	■						What is 50 plus 5?	50 + 5 = ☐	55
6	■						What is 60 plus 5?	60 + 5 = ☐	65
7	■						What is 90 plus 5?	90 + 5 = ☐	95
8	■						What is 100 plus 5?	100 + 5 = ☐	105
9	■						What is 110 plus 5?	110 + 5 = ☐	115
							"Explain how you got your answer."		
10	■						What is 170 plus 5?	170 + 5 = ☐	175
11	■						What is 5 plus 10?	5 + 10 = ☐	15
12	■						What is 15 plus 10?	15 + 10 = ☐	25
13	■						What is 25 plus 10?	25 + 10 = ☐	35
14	■						What is 35 plus 10?	35 + 10 = ☐	45
15	■						What is 45 plus 10?	45 + 10 = ☐	55
16	■						What is 55 plus 10?	55 + 10 = ☐	65
17	■						What is 65 plus 10?	65 + 10 = ☐	75
18	■						What is 95 plus 10?	95 + 10 = ☐	105
19	■						What is 105 plus 10?	105 + 10 = ☐	115
20						■	What is 5 times 5?	5 × 5 = ☐	25
21						■	What is 10 times 5?	10 × 5 = ☐	50
22						■	What is 20 times 5?	20 × 5 = ☐	100
							"Explain how you got your answer."		
23						■	What is 2 times 5?	2 × 5 = ☐	10
24						■	What is 12 times 5?	12 × 5 = ☐	60
25						■	What is 15 times 5?	15 × 5 = ☐	75

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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 4 plus 6?	4 + 6 = ☐	10
2							What is 3 plus 7?	3 + 7 = ☐	10
3							What is 8 plus 2?	8 + 2 = ☐	10
4							What is 28 plus 2?	28 + 2 = ☐	30
5							What is 38 plus 2?	38 + 2 = ☐	40
							"Explain how you got your answer."		
6							What is 58 plus 2?	58 + 2 = ☐	60
7							What is 18 plus 2?	18 + 2 = ☐	20
8							What must be added to 48 to get 50?	48 + ☐ = 50	2
9							What must be added to 38 to get 40?	38 + ☐ = 40	2
10							What must be added to 28 to get 30?	28 + ☐ = 30	2
11							What must be added to 58 to get 60?	58 + ☐ = 60	2
12							What is 2 plus 8?	2 + 8 = ☐	10
13							What is 22 plus 8?	22 + 8 = ☐	30
14							What is 32 plus 8?	32 + 8 = ☐	40
15							What is 42 plus 8?	42 + 8 = ☐	50
							"Explain how you got your answer."		
16							What is 52 plus 8?	52 + 8 = ☐	60
17							What is 72 plus 8?	72 + 8 = ☐	80
18							What is 12 plus 8?	12 + 8 = ☐	20
19							What must be added to 2 to get 10?	2 + ☐ = 10	8
20							What must be added to 22 to get 30?	22 + ☐ = 30	8
21							What must be added to 62 to get 70?	62 + ☐ = 70	8
22							What must be added to 42 to get 50?	42 + ☐ = 50	8
23							What must be added to 32 to get 40?	32 + ☐ = 40	8
24							What must be added to 82 to get 90?	82 + ☐ = 90	8
25							What must be added to 92 to get 100?	92 + ☐ = 100	8

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1			■				What is 3 plus 7?	$3 + 7 = \square$	10
2	■						What is 3 plus 6?	$3 + 6 = \square$	9
3	■						What is 23 plus 6?	$23 + 6 = \square$	29
4	■						What is 33 plus 6?	$33 + 6 = \square$	39
5	■						What is 43 plus 6?	$43 + 6 = \square$	49
6	■						What is 63 plus 6?	$63 + 6 = \square$	69
							"Explain how you got your answer."		
7	■						What is 83 plus 6?	$83 + 6 = \square$	89
8	■						What is 53 plus 6?	$53 + 6 = \square$	59
9	■						What is 153 plus 6?	$153 + 6 = \square$	159
10	■						What is 73 plus 6?	$73 + 6 = \square$	79
11	■						What is 173 plus 6?	$173 + 6 = \square$	179
12			■				What is 3 plus 7?	$3 + 7 = \square$	10
13			■				What is 23 plus 7?	$23 + 7 = \square$	30
14			■				What is 33 plus 7?	$33 + 7 = \square$	40
15			■				What is 43 plus 7? Explain.	$43 + 7 = \square$	50
16			■				What is 53 plus 7?	$53 + 7 = \square$	60
17			■				What is 153 plus 7?	$153 + 7 = \square$	160
18			■				What is 3 plus 8?	$3 + 8 = \square$	11
19			■				What is 23 plus 8?	$23 + 8 = \square$	31
20				■			What is 33 plus 8?	$33 + 8 = \square$	41
21				■			What is 163 plus 8?	$163 + 8 = \square$	171
22	■						What must be added to 100 to get 150? Explain.	$100 + \square = 150$	50
23	■						What must be added to 100 to get 153?	$100 + \square = 153$	53
24	■						What must be added to 300 to get 362?	$300 + \square = 362$	62
25	■						What must be added to 400 to get 415?	$400 + \square = 415$	15

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	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	Question	Equation	Answer
1	■						What is 0 plus 10?	0 + 10 = ☐	10
2	■	■					What is 10 plus 10?	10 + 10 = ☐	20
3	■	■					What is 20 plus 10?	20 + 10 = ☐	30
4	■	■					What is 30 plus 10?	30 + 10 = ☐	40
5	■	■					What is 40 plus 20?	40 + 20 = ☐	60
6	■	■					What is 100 plus 10?	100 + 10 = ☐	110
7	■	■					What is 110 plus 20?	110 + 20 = ☐	130
							"Explain how you got your answer."		
8	■	■					What is 120 plus 20?	120 + 20 = ☐	140
9	■						What is 20 plus 5?	20 + 5 = ☐	25
10	■						What is 30 plus 5?	30 + 5 = ☐	35
11	■						What is 100 plus 5?	100 + 5 = ☐	105
12			■				What is 35 plus 5?	35 + 5 = ☐	40
13			■				What is 75 plus 5?	75 + 5 = ☐	80
14			■				What is 75 plus 15?	75 + 15 = ☐	90
							"Explain how you got your answer."		
15			■				What is 105 plus 5?	105 + 5 = ☐	110
16			■				What is 105 plus 15?	105 + 15 = ☐	120
17			■				What is 125 plus 5?	125 + 5 = ☐	130
18	■						What is 130 plus 5?	130 + 5 = ☐	135
19			■				What is 145 plus 5?	145 + 5 = ☐	150
20	■						What is 115 plus 10?	115 + 10 = ☐	125
21			■				What is 115 plus 15?	115 + 15 = ☐	130
							"Explain how you got your answer."		
22			■				What is 155 plus 5?	155 + 5 = ☐	160
23			■				What is 165 plus 5?	165 + 5 = ☐	170
24	■						What is 165 plus 10?	165 + 10 = ☐	175
25	■						What is 185 plus 10?	185 + 10 = ☐	195

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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 6 doubled?	6 doubled = ☐	12
2							What is 7 doubled?	7 doubled = ☐	14
3							What is 9 doubled?	9 doubled = ☐	18
4							What is 11 doubled?	11 doubled = ☐	22
5							What is 3 doubled?	3 doubled = ☐	6
6							What is 10 doubled?	10 doubled = ☐	20
7							What is 13 doubled? Explain.	13 doubled = ☐	26
8							What is 12 doubled?	12 doubled = ☐	24
9							What is 14 doubled?	14 doubled = ☐	28
10							What is 15 doubled?	15 doubled = ☐	30
11							What is 16 doubled?	16 doubled = ☐	32
12							What is 17 doubled?	17 doubled = ☐	34
13							What number is doubled to give 10? Explain.	☐ doubled = 10	5
14							What number is doubled to give 12?	☐ doubled = 12	6
15							What number is doubled to give 16? Explain.	☐ doubled = 16	8
16							What number is doubled to give 18? Explain.	☐ doubled = 18	9
17							What number is doubled to give 22?	☐ doubled = 22	11
18							What number is doubled to give 24? Explain.	☐ doubled = 24	12
19							What number is doubled to give 26? Explain.	☐ doubled = 26	13
20							What must be added to 60 to get 120?	60 + ☐ = 120	60
21							What must be added to 66 to get 120?	66 + ☐ = 120	54
22							What must be added to 30 to get 60?	30 + ☐ = 60	30
23							What must be added to 30 to get 66?	30 + ☐ = 66	36
24							What must be added to 30 to get 54?	30 + ☐ = 54	24
25							What must be added to 35 to get 60?	35 + ☐ = 60	25

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#	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	Question	Equation	Answer
1	■						What must be added to 1 to get 5?	$1 + \square = 5$	4
2	■	■					What must be added to 10 to get 50?	$10 + \square = 50$	40
3			■				What must be added to 15 to get 50?	$15 + \square = 50$	35
4	■						What must be added to 2 to get 5?	$2 + \square = 5$	3
5	■	■					What must be added to 20 to get 50?	$20 + \square = 50$	30
6			■				What must be added to 25 to get 50?	$25 + \square = 50$	25
7	■	■					What must be added to 30 to get 50?	$30 + \square = 50$	20
8			■				What must be added to 35 to get 50?	$35 + \square = 50$	15
9	■	■					What must be added to 40 to get 50?	$40 + \square = 50$	10
10			■				What must be added to 45 to get 50?	$45 + \square = 50$	5
11							What must be added to 5 to get 10?	$5 + \square = 10$	5
12		■	■				What must be added to 50 to get 100?	$50 + \square = 100$	50
13		■					What must be added to 6 to get 10?	$6 + \square = 10$	4
14		■	■				What must be added to 60 to get 100?	$60 + \square = 100$	40
15		■	■				What must be added to 70 to get 100? Explain.	$70 + \square = 100$	30
16		■	■				What must be added to 80 to get 100?	$80 + \square = 100$	20
17		■	■				What must be added to 90 to get 100?	$90 + \square = 100$	10
18			■				What must be added to 95 to get 100?	$95 + \square = 100$	5
19		■	■				What must be added to 50 to get 100?	$50 + \square = 100$	50
20			■				What must be added to 55 to get 100? Explain.	$55 + \square = 100$	45
21		■	■				What must be added to 60 to get 100?	$60 + \square = 100$	40
22		■	■				What must be added to 65 to get 100?	$65 + \square = 100$	35
23		■	■				What must be added to 70 to get 100?	$70 + \square = 100$	30
24			■				What must be added to 75 to get 100?	$75 + \square = 100$	25
25		■	■				What must be added to 80 to get 100?	$80 + \square = 100$	20

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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 minus 7?	10 - 7 = ☐	3
2				■			What is 11 minus 7?	11 - 7 = ☐	4
3				■			What is 12 minus 7?	12 - 7 = ☐	5
4				■			What is 14 minus 7?	14 - 7 = ☐	7
5				■			What is 15 minus 7?	15 - 7 = ☐	8
6				■			What is 25 minus 7?	25 - 7 = ☐	18
							"Explain how you got your answer."		
7				■			What is 35 minus 7?	35 - 7 = ☐	28
8				■			What is 45 minus 7?	45 - 7 = ☐	38
9	■						What number minus 7 equals 10?	☐ - 7 = 10	17
10				■			What number minus 7 equals 15?	☐ - 7 = 15	22
11				■			What number minus 7 equals 18?	☐ - 7 = 18	25
12				■			What number minus 7 equals 28?	☐ - 7 = 28	35
13				■			What number minus 7 equals 38?	☐ - 7 = 38	45
							"What do you notice?"		
14				■			What number minus 7 equals 58?	☐ - 7 = 58	65
15				■			What number minus 7 equals 78?	☐ - 7 = 78	85
16				■			What number minus 7 equals 98?	☐ - 7 = 98	105
17				■			What number minus 7 equals 108?	☐ - 7 = 108	115
18				■			What is 7 plus 6?	☐ = 7 + 6	13
19				■			What is 7 plus 26?	☐ = 7 + 26	33
20				■			What is 7 plus 36?	☐ = 7 + 36	43
21				■			What is 7 plus 46?	☐ = 7 + 46	53
							"Explain how you got your answer."		
22				■			What is 8 plus 17?	☐ = 8 + 17	25
23				■			What is 8 plus 37?	☐ = 8 + 37	45
24				■			What is 9 plus 18?	☐ = 9 + 18	27
25				■			What is 9 plus 28?	☐ = 9 + 28	37

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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 subtracted from 15 to get 10?	15 - ☐ = 10	5
2							What must be subtracted from 25 to get 20?	25 - ☐ = 20	5
3							What must be subtracted from 45 to get 40?	45 - ☐ = 40	5
4							What must be subtracted from 95 to get 90?	95 - ☐ = 90	5
5							What must be subtracted from 105 to get 100?	105 - ☐ = 100	5
6							What must be subtracted from 115 to get 110?	115 - ☐ = 110	5
7							What must be subtracted from 10 to get 7?	10 - ☐ = 7	3
8							What must be subtracted from 30 to get 27?	30 - ☐ = 27	3
9							What must be subtracted from 40 to get 37?	40 - ☐ = 37	3
10							What must be subtracted from 70 to get 67?	70 - ☐ = 67	3
11							What must be subtracted from 80 to get 77?	80 - ☐ = 77	3
12							What must be subtracted from 90 to get 87?	90 - ☐ = 87	3
13							What must be subtracted from 100 to get 97?	100 - ☐ = 97	3
14							What must be subtracted from 7 to get 0?	7 - ☐ = 0	7
15							What must be subtracted from 27 to get 20?	27 - ☐ = 20	7
16							What must be subtracted from 37 to get 30?	37 - ☐ = 30	7
17							What must be subtracted from 47 to get 40?	47 - ☐ = 40	7
18							What must be subtracted from 77 to get 70?	77 - ☐ = 70	7
19							What must be subtracted from 87 to get 80?	87 - ☐ = 80	7
20							What must be subtracted from 107 to get 100?	107 - ☐ = 100	7
21							What must be subtracted from 27 to get 25?	27 - ☐ = 25	2
22							What must be subtracted from 37 to get 35?	37 - ☐ = 35	2
23							What must be subtracted from 57 to get 55?	57 - ☐ = 55	2
24							What must be subtracted from 97 to get 95?	97 - ☐ = 95	2
25							What must be subtracted from 107 to get 105?	107 - ☐ = 105	2

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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 4 times 10?	4 × 10 = ☐	40
2						■	What is 6 times 10?	6 × 10 = ☐	60
3						■	What is 7 times 10?	7 × 10 = ☐	70
4						■	What is 8 times 10?	8 × 10 = ☐	80
5						■	What is 9 times 10?	9 × 10 = ☐	90
6						■	What is 10 times 10?	10 × 10 = ☐	100
7						■	What is 11 times 10?	11 × 10 = ☐	110
8						■	What is 12 times 10?	12 × 10 = ☐	120
9						■	What is 2 times 4?	2 × 4 = ☐	8
10						■	What is 4 times 4?	4 × 4 = ☐	16
11					■		What is 8 doubled?	8 doubled = ☐	16
							"Do you notice anything?"		
12						■	What is 2 times 5?	2 × 5 = ☐	10
13						■	What is 4 times 5?	4 × 5 = ☐	20
14						■	What is 2 times 6?	2 × 6 = ☐	12
15						■	What is 4 times 6?	4 × 6 = ☐	24
16					■		What is 12 doubled?	12 doubled = ☐	24
							"What do you notice?"		
17						■	What is 2 times 7?	2 × 7 = ☐	14
18						■	What is 4 times 7?	4 × 7 = ☐	28
19						■	What is 2 times 8?	2 × 8 = ☐	16
20						■	What is 4 times 8?	4 × 8 = ☐	32
							"Explain how you got your answer."		
21						■	What is 2 times 9?	2 × 9 = ☐	18
22						■	What is 4 times 9?	4 × 9 = ☐	36
23						■	What is 4 times 10?	4 × 10 = ☐	40
24						■	What is 4 times 11?	4 × 11 = ☐	44
25						■	What is 4 times 12?	4 × 12 = ☐	48

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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 + ☐ = 10	3
2			■				What must be added to 27 to get 30?	27 + ☐ = 30	3
3			■				What must be added to 37 to get 40?	37 + ☐ = 40	3
4			■				What must be added to 47 to get 50?	47 + ☐ = 50	3
							"Explain how you got your answer."		
5			■				What must be added to 57 to get 60?	57 + ☐ = 60	3
6			■				What must be added to 3 to get 10?	3 + ☐ = 10	7
7			■				What must be added to 23 to get 30?	23 + ☐ = 30	7
8			■				What must be added to 33 to get 40?	33 + ☐ = 40	7
9			■				What must be added to 43 to get 50?	43 + ☐ = 50	7
10			■				What must be added to 63 to get 70?	63 + ☐ = 70	7
							"Explain how you got your answer."		
11			■				What must be added to 73 to get 80?	73 + ☐ = 80	7
12			■				What must be added to 6 to get 10?	6 + ☐ = 10	4
13			■				What must be added to 26 to get 30?	26 + ☐ = 30	4
14			■				What must be added to 36 to get 40?	36 + ☐ = 40	4
15			■				What must be added to 16 to get 20?	16 + ☐ = 20	4
16			■				What must be added to 56 to get 60?	56 + ☐ = 60	4
17			■				What must be added to 76 to get 80?	76 + ☐ = 80	4
18			■				What must be added to 96 to get 100?	96 + ☐ = 100	4
19			■				What must be added to 5 to get 10?	5 + ☐ = 10	5
20	■						What must be added to 5 to get 15?	5 + ☐ = 15	10
21			■				What must be added to 5 to get 20?	5 + ☐ = 20	15
22	■						What must be added to 25 to get 30?	25 + ☐ = 30	5
							"Explain how you got your answer."		
23			■				What must be added to 25 to get 40?	25 + ☐ = 40	15
24			■				What must be added to 30 to get 45?	30 + ☐ = 45	15
25			■				What must be added to 60 to get 75?	60 + ☐ = 75	15

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What is 17 minus 7?	17 - 7 = ☐	10
2				■			What is 16 minus 7?	16 - 7 = ☐	9
3				■			What is 26 minus 7?	26 - 7 = ☐	19
4				■			What is 36 minus 7?	36 - 7 = ☐	29
5				■			What is 46 minus 7?	46 - 7 = ☐	39
							"Explain how you got your answer."		
6				■			What is 66 minus 7?	66 - 7 = ☐	59
7				■			What is 86 minus 7?	86 - 7 = ☐	79
8				■			What is 96 minus 7?	96 - 7 = ☐	89
9				■			What is 106 minus 7?	106 - 7 = ☐	99
10				■			What number minus 7 equals 19?	☐ - 7 = 19	26
11				■			What number minus 7 equals 29?	☐ - 7 = 29	36
12				■			What number minus 7 equals 59?	☐ - 7 = 59	66
							"Explain how you got your answer."		
13				■			What number minus 7 equals 79?	☐ - 7 = 79	86
14				■			What number minus 7 equals 89?	☐ - 7 = 89	96
15				■			What number minus 7 equals 99?	☐ - 7 = 99	106
16	■						What is 16 minus 10?	16 - 10 = ☐	6
17				■			What is 16 minus 9?	16 - 9 = ☐	7
18				■			What is 26 minus 9?	26 - 9 = ☐	17
19				■			What is 36 minus 9?	36 - 9 = ☐	27
20				■			What is 46 minus 9?	46 - 9 = ☐	37
21				■			What is 56 minus 9?	56 - 9 = ☐	47
22				■			What number minus 9 equals 57?	☐ - 9 = 57	66
23				■			What number minus 9 equals 77?	☐ - 9 = 77	86
24				■			What number minus 9 equals 87?	☐ - 9 = 87	96
25				■			What number minus 9 equals 97?	☐ - 9 = 97	106

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	🟥	🟩					What must be added to 20 to get 40?	20 + ☐ = 40	20
2	🟥	🟩					What must be added to 30 to get 40?	30 + ☐ = 40	10
3	🟥	🟩					What must be added to 20 to get 50?	20 + ☐ = 50	30
4	🟥	🟩					What must be added to 30 to get 70?	30 + ☐ = 70	40
							"Explain how you got your answer."		
5	🟥	🟩					What must be added to 40 to get 80?	40 + ☐ = 80	40
6	🟥	🟩					What must be added to 60 to get 90?	60 + ☐ = 90	30
7			🟧				What must be added to 2 to get 10?	2 + ☐ = 10	8
8			🟧				What must be added to 22 to get 30?	22 + ☐ = 30	8
9			🟧				What must be added to 32 to get 40?	32 + ☐ = 40	8
10			🟧				What must be added to 52 to get 60?	52 + ☐ = 60	8
11			🟧				What must be added to 5 to get 10?	5 + ☐ = 10	5
12			🟧				What must be added to 45 to get 50?	45 + ☐ = 50	5
13			🟧				What must be added to 75 to get 80?	75 + ☐ = 80	5
14			🟧				What must be added to 95 to get 100?	95 + ☐ = 100	5
							"Explain how you got your answer."		
15			🟧				What must be added to 7 to get 10?	7 + ☐ = 10	3
16			🟧				What must be added to 27 to get 30?	27 + ☐ = 30	3
17			🟧				What must be added to 27 to get 40?	27 + ☐ = 40	13
18			🟧				What must be added to 27 to get 50?	27 + ☐ = 50	23
19			🟧				What must be added to 27 to get 60?	27 + ☐ = 60	33
20			🟧				What must be added to 37 to get 40?	37 + ☐ = 40	3
21			🟧				What must be added to 37 to get 50?	37 + ☐ = 50	13
22			🟧				What must be added to 37 to get 60?	37 + ☐ = 60	23
23			🟧				What must be added to 47 to get 50?	47 + ☐ = 50	3
24			🟧				What must be added to 47 to get 70?	47 + ☐ = 70	23
25			🟧				What must be added to 47 to get 80?	47 + ☐ = 80	33

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1						■	What is 2 times 2?	2 × 2 = ☐	4
2						■	What is 4 times 2?	4 × 2 = ☐	8
3						■	What is 3 times 2?	3 × 2 = ☐	6
4						■	What is 6 times 2?	6 × 2 = ☐	12
5						■	What is 8 times 2?	8 × 2 = ☐	16
6						■	What is 9 times 2?	9 × 2 = ☐	18
7						■	What is 10 times 2?	10 × 2 = ☐	20
8						■	What is 15 times 2?	15 × 2 = ☐	30
9						■	What is 16 times 2?	16 × 2 = ☐	32
10						■	What is 30 times 2?	30 × 2 = ☐	60
11						■	What is 2 times 4?	2 × 4 = ☐	8
12						■	What is 4 times 4?	4 × 4 = ☐	16
13					■		What is 8 doubled?	8 doubled = ☐	16
14						■	What is 6 times 2?	6 × 2 = ☐	12
15						■	What is 6 times 4?	6 × 4 = ☐	24
16					■		What is 12 doubled?	12 doubled = ☐	24
17						■	What is 8 times 2?	8 × 2 = ☐	16
18						■	What is 8 times 4?	8 × 4 = ☐	32
19					■		What is 16 doubled?	16 doubled = ☐	32
							"What do you notice?"		
20						■	What is 9 times 2?	9 × 2 = ☐	18
21						■	What is 9 times 4?	9 × 4 = ☐	36
22						■	What is 10 times 4?	10 × 4 = ☐	40
23						■	What is 11 times 4?	11 × 4 = ☐	44
24						■	What is 12 times 4?	12 × 4 = ☐	48
							"Explain how you got your answer."		
25						■	What is 20 times 4?	20 × 4 = ☐	80

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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 times 3?	3 × 3 = ☐	9
2							What is 3 times 6?	3 × 6 = ☐	18
3							What is 9 doubled?	9 doubled = ☐	18
4							What is 4 times 3?	4 × 3 = ☐	12
5							What is 4 times 6?	4 × 6 = ☐	24
6							What is 12 doubled?	12 doubled = ☐	24
							"What do you notice?"		
7							What is 7 times 3?	7 × 3 = ☐	21
8							What is 7 times 6?	7 × 6 = ☐	42
9							What is 8 times 3?	8 × 3 = ☐	24
10							What is 8 times 6?	8 × 6 = ☐	48
11							What is 9 times 6?	9 × 6 = ☐	54
12							What is 12 times 3?	12 × 3 = ☐	36
13							What is 12 times 6?	12 × 6 = ☐	72
14							What is 10 plus 8?	10 + 8 = ☐	18
15							What is 10 plus 18?	10 + 18 = ☐	28
16							What is 20 plus 18?	20 + 18 = ☐	38
17							What is 6 plus 8?	6 + 8 = ☐	14
18							What is 16 plus 8?	16 + 8 = ☐	24
19							What is 16 plus 18?	16 + 18 = ☐	34
20							What is 26 plus 18?	26 + 18 = ☐	44
21							What is 36 plus 28?	36 + 28 = ☐	64
22							What is 36 plus 38?	36 + 38 = ☐	74
							"Explain how you got your answer."		
23							What must be added to 4 to get 8?	4 + ☐ = 8	4
24							What must be added to 8 to get 18?	8 + ☐ = 18	10
25							What must be added to 28 to get 54?	28 + ☐ = 54	26

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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 5 plus 3?	5 + 3 = ☐	8
2	■						What is 25 plus 3?	25 + 3 = ☐	28
3	■						What is 35 plus 3?	35 + 3 = ☐	38
4	■						What is 45 plus 3?	45 + 3 = ☐	48
							"What do you notice?"		
5	■						What is 65 plus 3?	65 + 3 = ☐	68
6	■						What is 15 plus 3?	15 + 3 = ☐	18
7	■						What is 3 plus 4?	3 + 4 = ☐	7
8	■						What is 23 plus 4?	23 + 4 = ☐	27
9	■						What is 33 plus 4?	33 + 4 = ☐	37
10	■						What is 53 plus 4?	53 + 4 = ☐	57
							"Explain how you got your answer."		
11	■						What is 83 plus 4?	83 + 4 = ☐	87
12	■						What is 93 plus 4?	93 + 4 = ☐	97
13	■						What is 113 plus 4?	113 + 4 = ☐	117
14				■			What is 6 plus 6?	6 + 6 = ☐	12
15				■			What is 7 plus 6?	7 + 6 = ☐	13
16				■			What is 27 plus 6?	27 + 6 = ☐	33
17				■			What is 37 plus 6?	37 + 6 = ☐	43
18				■			What is 67 plus 6?	67 + 6 = ☐	73
19				■			What is 107 plus 6?	107 + 6 = ☐	113
							"Explain how you got your answer."		
20				■			What is 127 plus 6?	127 + 6 = ☐	133
21				■			What is 7 plus 6?	7 + 6 = ☐	13
22				■			What is 8 plus 6?	8 + 6 = ☐	14
23				■			What is 108 plus 6?	108 + 6 = ☐	114
24				■			What is 8 plus 6?	8 + 6 = ☐	14
25				■			What is 38 plus 6?	38 + 6 = ☐	44

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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 9 plus 9?	9 + 9 = ☐	18
2				■			What is 9 plus 8?	9 + 8 = ☐	17
3				■			What is 29 plus 8?	29 + 8 = ☐	37
4				■			What is 39 plus 8?	39 + 8 = ☐	47
							"Explain how you got your answer."		
5				■			What is 69 plus 8?	69 + 8 = ☐	77
6				■			What is 99 plus 8?	99 + 8 = ☐	107
7				■			What is 119 plus 8?	119 + 8 = ☐	127
8				■			What is 8 plus 8?	8 + 8 = ☐	16
9				■			What is 28 plus 8?	28 + 8 = ☐	36
10				■			What is 48 plus 8?	48 + 8 = ☐	56
							"Explain how you got your answer."		
11				■			What is 108 plus 8?	108 + 8 = ☐	116
12				■			What is 138 plus 8?	138 + 8 = ☐	146
13				■			What number minus 8 equals 10?	☐ - 8 = 10	18
14				■			What number minus 8 equals 15?	☐ - 8 = 15	23
15				■			What number minus 8 equals 20?	☐ - 8 = 20	28
16				■			What number minus 8 equals 25?	☐ - 8 = 25	33
17				■			What number minus 8 equals 30?	☐ - 8 = 30	38
18				■			What number minus 8 equals 45?	☐ - 8 = 45	53
19				■			What number minus 8 equals 55?	☐ - 8 = 55	63
20				■			What number minus 8 equals 65?	☐ - 8 = 65	73
21				■			What number minus 8 equals 35?	☐ - 8 = 35	43
22				■			What number minus 8 equals 36?	☐ - 8 = 36	44
							"Explain how you got your answer."		
23				■			What number minus 8 equals 26?	☐ - 8 = 26	34
24				■			What number minus 8 equals 16?	☐ - 8 = 16	24
25				■			What number minus 8 equals 6?	☐ - 8 = 6	14

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1	■						What is 12 minus 2?	12 - 2 = ☐	10
2	■						What is 22 minus 2?	22 - 2 = ☐	20
3	■						What is 42 minus 2?	42 - 2 = ☐	40
4	■						What is 52 minus 2?	52 - 2 = ☐	50
							"Explain how you got your answer."		
5	■						What is 72 minus 2?	72 - 2 = ☐	70
6	■						What is 15 minus 2?	15 - 2 = ☐	13
7	■						What is 25 minus 2?	25 - 2 = ☐	23
8	■						What is 55 minus 2?	55 - 2 = ☐	53
9	■						What is 5 plus 2?	5 + 2 = ☐	7
10	■						What is 15 plus 2?	15 + 2 = ☐	17
11	■						What is 35 plus 2?	35 + 2 = ☐	37
12	■						What is 65 plus 2?	65 + 2 = ☐	67
							"Explain how you got your answer."		
13	■						What is 125 plus 2?	125 + 2 = ☐	127
14	■						What is 145 plus 2?	145 + 2 = ☐	147
15			■				What is 9 plus 2?	9 + 2 = ☐	11
16			■				What is 29 plus 2?	29 + 2 = ☐	31
17			■				What is 39 plus 2?	39 + 2 = ☐	41
18			■				What is 89 plus 2?	89 + 2 = ☐	91
19			■				What is 99 plus 2?	99 + 2 = ☐	101
20			■				What is 159 plus 2?	159 + 2 = ☐	161
21		■					What must be added to 30 to get 70?	30 + ☐ = 70	40
22		■					What must be added to 33 to get 70?	33 + ☐ = 70	37
23		■					What must be added to 34 to get 80?	34 + ☐ = 80	46
24		■					What must be added to 18 to get 60?	18 + ☐ = 60	42
25		■					What must be added to 17 to get 30?	17 + ☐ = 30	13

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1			■				What is 5 plus 5?	5 + 5 = ☐	10
2	■						What is 5 plus 4?	5 + 4 = ☐	9
3	■						What is 5 plus 6?	5 + 6 = ☐	11
4	■						What is 10 plus 6?	10 + 6 = ☐	16
5	■						What is 9 plus 6?	9 + 6 = ☐	15
							"What do you notice?"		
6	■						What is 9 plus 5?	9 + 5 = ☐	14
7	■						What is 11 plus 11?	11 + 11 = ☐	22
8	■						What is 12 plus 11?	12 + 11 = ☐	23
9	■						What is 13 plus 14?	13 + 14 = ☐	27
10	■						What is 15 plus 11?	15 + 11 = ☐	26
11	■						What is 12 plus 13?	12 + 13 = ☐	25
							"Explain how you got your answer."		
12	■						What is 22 plus 22?	22 + 22 = ☐	44
13	■						What is 22 plus 24?	22 + 24 = ☐	46
14	■						What is 23 plus 24?	23 + 24 = ☐	47
15	■						What is 25 plus 24?	25 + 24 = ☐	49
16			■				What is 25 plus 25?	25 + 25 = ☐	50
17				■			What is 25 plus 26?	25 + 26 = ☐	51
18				■			What is 26 plus 26?	26 + 26 = ☐	52
							"Explain how you got your answer."		
19						■	How much is 2, 10 cents pieces?	2 × 10 = ☐	20c
20						■	How much is 20, 10 cents pieces?	20 × 10 = ☐	200c
21						■	How much is 13, 10 cents pieces?	13 × 10 = ☐	130c
22						■	How much is 2, 50 cents pieces?	2 × 50 = ☐	100c
23						■	How much is 4, 50 cents pieces?	4 × 50 = ☐	200c
24						■	How much is 3, 50 cents pieces?	3 × 50 = ☐	150c
25						■	How much is 5, 50 cents pieces?	5 × 50 = ☐	250c

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1						■	What is 2 times 4?	$2 \times 4 = \square$	8
2						■	What is 3 times 4?	$3 \times 4 = \square$	12
3						■	What is 4 times 2?	$4 \times 2 = \square$	8
4						■	What is 4 times 4?	$4 \times 4 = \square$	16
5					■		What is 8 doubled?	$8 \text{ doubled} = \square$	16
6						■	What is 5 times 4?	$5 \times 4 = \square$	20
7						■	What is 6 times 2?	$6 \times 2 = \square$	12
8						■	What is 6 times 4?	$6 \times 4 = \square$	24
9					■		What is 12 doubled?	$12 \text{ doubled} = \square$	24
10						■	What is 7 times 2?	$7 \times 2 = \square$	14
11						■	What is 7 times 4?	$7 \times 4 = \square$	28
12					■		What is 14 doubled?	$14 \text{ doubled} = \square$	28
							"Do you notice anything?"		
13						■	What is 8 times 4?	$8 \times 4 = \square$	32
14						■	What is 9 times 4?	$9 \times 4 = \square$	36
15						■	What must be multiplied by 4 to get 36?	$\square \times 4 = 36$	9
16						■	What is 11 times 4?	$11 \times 4 = \square$	44
17						■	What is 12 times 4?	$12 \times 4 = \square$	48
18						■	What is 15 times 4?	$15 \times 4 = \square$	60
19						■	What is 18 times 4?	$18 \times 4 = \square$	72
20						■	What is 20 times 4?	$20 \times 4 = \square$	80
21						■	What is 21 times 4?	$21 \times 4 = \square$	84
22						■	What must be multiplied by 4 to get 84? Explain.	$\square \times 4 = 84$	21
23						■	What is 25 times 4?	$25 \times 4 = \square$	100
24						■	What must be multiplied by 4 to get 112?	$\square \times 4 = 112$	28
25						■	What must be multiplied by 4 to get 140?	$\square \times 4 = 140$	35

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What must be added to 10 to get 20?	10 + ☐ = 20	10
2							What must be added to 30 to get 50?	30 + ☐ = 50	20
3							What must be added to 60 to get 80?	60 + ☐ = 80	20
4							What must be added to 100 to get 110?	100 + ☐ = 110	10
5							What must be added to 110 to get 120?	110 + ☐ = 120	10
6							What must be added to 120 to get 140?	120 + ☐ = 140	20
7							What must be added to 140 to get 150?	140 + ☐ = 150	10
8							What must be subtracted from 80 to get 60?	80 - ☐ = 60	20
9							What must be subtracted from 50 to get 20?	50 - ☐ = 20	30
10							What must be subtracted from 150 to get 120?	150 - ☐ = 120	30
11							What must be subtracted from 120 to get 20?	120 - ☐ = 20	100
12							What must be subtracted from 140 to get 120?	140 - ☐ = 120	20
13							What must be added to 1 to get 10?	1 + ☐ = 10	9
14							What must be added to 11 to get 20?	11 + ☐ = 20	9
15							What must be added to 21 to get 30?	21 + ☐ = 30	9
16							What must be added to 31 to get 40?	31 + ☐ = 40	9
17							What must be added to 51 to get 60?	51 + ☐ = 60	9
18							What must be added to 91 to get 100?	91 + ☐ = 100	9
19							What must be added to 101 to get 110?	101 + ☐ = 110	9
20							What must be added to 5 to get 10?	5 + ☐ = 10	5
21							What must be added to 5 to get 11?	5 + ☐ = 11	6
22							What must be added to 25 to get 31?	25 + ☐ = 31	6
23							What must be added to 35 to get 41?	35 + ☐ = 41	6
24							What must be added to 85 to get 91?	85 + ☐ = 91	6
25							What must be added to 95 to get 101?	95 + ☐ = 101	6

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1				■			What is 7 plus 7?	7 + 7 = ☐	14
2				■			What is 7 plus 5?	7 + 5 = ☐	12
3				■			What is 27 plus 5?	27 + 5 = ☐	32
4				■			What is 37 plus 5?	37 + 5 = ☐	42
							"Explain how you got your answer."		
5				■			What is 47 plus 5?	47 + 5 = ☐	52
6				■			What is 87 plus 5?	87 + 5 = ☐	92
7				■			What is 17 plus 5?	17 + 5 = ☐	22
8				■			What is 5 plus 7?	5 + 7 = ☐	12
9				■			What is 25 plus 7?	25 + 7 = ☐	32
10				■			What is 35 plus 7?	35 + 7 = ☐	42
11				■			What is 45 plus 7?	45 + 7 = ☐	52
							"Explain how you got your answer."		
12				■			What is 55 plus 7?	55 + 7 = ☐	62
13				■			What is 15 plus 7?	15 + 7 = ☐	22
14				■			What is 7 plus 7?	7 + 7 = ☐	14
15				■			What is 7 plus 8?	7 + 8 = ☐	15
16				■			What is 27 plus 8?	27 + 8 = ☐	35
17				■			What is 37 plus 8?	37 + 8 = ☐	45
18				■			What is 47 plus 8?	47 + 8 = ☐	55
19				■			What is 57 plus 8?	57 + 8 = ☐	65
							"Explain how you got your answer."		
20				■			What is 97 plus 8?	97 + 8 = ☐	105
21				■			What is 17 plus 8?	17 + 8 = ☐	25
22				■			What is 8 plus 7?	8 + 7 = ☐	15
23				■			What is 28 plus 7?	28 + 7 = ☐	35
24				■			What is 38 plus 7?	38 + 7 = ☐	45
25				■			What is 18 plus 7?	18 + 7 = ☐	25

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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 24 doubled?	24 doubled = ☐	48
2					■		What is 25 doubled?	25 doubled = ☐	50
3					■		What is 26 doubled?	26 doubled = ☐	52
							"Explain how you got your answer."		
4					■		What is 27 doubled?	27 doubled = ☐	54
5					■		What is 28 doubled?	28 doubled = ☐	56
6					■		What is 29 doubled?	29 doubled = ☐	58
7					■		What is 30 doubled?	30 doubled = ☐	60
8					■		What is 32 doubled?	32 doubled = ☐	64
9					■		What is 33 doubled?	33 doubled = ☐	66
10					■		What is 34 doubled?	34 doubled = ☐	68
11					■		What is 35 doubled?	35 doubled = ☐	70
12					■		What is 36 doubled?	36 doubled = ☐	72
13					■		What is 37 doubled?	37 doubled = ☐	74
14					■		What is 38 doubled?	38 doubled = ☐	76
15					■		What is 40 doubled?	40 doubled = ☐	80
16					■		What must be doubled to get 48?	☐ doubled = 48	24
17					■		What must be doubled to get 50?	☐ doubled = 50	25
18					■		What must be doubled to get 52?	☐ doubled = 52	26
19					■		What must be doubled to get 54?	☐ doubled = 54	27
20					■		What must be doubled to get 56?	☐ doubled = 56	28
							"Explain how you got your answer."		
21					■		What must be doubled to get 58?	☐ doubled = 58	29
22					■		What must be doubled to get 60?	☐ doubled = 60	30
23					■		What must be doubled to get 40?	☐ doubled = 40	20
24					■		What must be doubled to get 38?	☐ doubled = 38	19
25					■		What must be doubled to get 36?	☐ doubled = 36	18

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 2 times 2?	$2 \times 2 = \square$	4
2							What is 2 times 20?	$2 \times 20 = \square$	40
3							What is 3 times 2?	$3 \times 2 = \square$	6
4							What is 3 times 20?	$3 \times 20 = \square$	60
5							What is 4 times 2?	$4 \times 2 = \square$	8
6							What is 4 times 20? Explain.	$4 \times 20 = \square$	80
7							What is 6 times 2?	$6 \times 2 = \square$	12
8							What is 6 times 20?	$6 \times 20 = \square$	120
9							What is 7 times 2?	$7 \times 2 = \square$	14
10							What is 7 times 20?	$7 \times 20 = \square$	140
11							What is 12 times 20? Explain.	$12 \times 20 = \square$	240
12							How much is 2, 5 cents pieces?	$2 \times 5 = \square$	10c
13							How much is 2, 50 cents pieces?	$2 \times 50 = \square$	100c
14							How much is 3, 5 cents pieces?	$3 \times 5 = \square$	15c
15							How much is 3, 50 cents pieces?	$3 \times 50 = \square$	150c
16							How much is 4, 50 cents pieces?	$4 \times 50 = \square$	200c
17							How much is 5, 50 cents pieces?	$5 \times 50 = \square$	250c
18							How many 50 cents pieces will give me 250 cents?	$\square \times 50 = 250$	5
19							How many 50 cents pieces will give me 300 cents?	$\square \times 50 = 300$	6
20							How many 50 cents pieces will give me 100 cents?	$\square \times 50 = 100$	2
21							How many 50 cents pieces will give me 350 cents?	$\square \times 50 = 350$	7
22							How many 50 cents pieces will give me 40 cents?	$\square \times 20 = 40$	2
23							How many 20 cents pieces will give me 100 cents?	$\square \times 20 = 100$	5
24							How many 20 cents pieces will give me 220 cents?	$\square \times 20 = 220$	11
25							How many 20 cents pieces will give me 240 cents?	$\square \times 20 = 240$	12

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 1 times 3?	$1 \times 3 = \square$	3
2							What is 2 times 3?	$2 \times 3 = \square$	6
3							What is 5 times 3?	$5 \times 3 = \square$	15
4							What is 3 times 3?	$3 \times 3 = \square$	9
5							What is 6 times 3?	$6 \times 3 = \square$	18
6							What is 8 times 3?	$8 \times 3 = \square$	24
							"Explain how you got your answer."		
7							What is 7 times 3?	$7 \times 3 = \square$	21
8							What is 8 times 3?	$8 \times 3 = \square$	24
9							What is 10 times 3?	$10 \times 3 = \square$	30
10							What is 5 times 3?	$5 \times 3 = \square$	15
11							What is 15 times 3?	$15 \times 3 = \square$	45
12							What is 13 times 3?	$13 \times 3 = \square$	39
							"Explain how you got your answer."		
13							What is 16 times 3?	$16 \times 3 = \square$	48
14							What is 17 times 3?	$17 \times 3 = \square$	51
15							What is 18 times 3?	$18 \times 3 = \square$	54
16							What is 20 times 3?	$20 \times 3 = \square$	60
17							What must be multiplied by 3 to get 15?	$\square \times 3 = 15$	5
18							What must be multiplied by 3 to get 30?	$\square \times 3 = 30$	10
19							What must be multiplied by 3 to get 45?	$\square \times 3 = 45$	15
20							What must be multiplied by 3 to get 48?	$\square \times 3 = 48$	16
21							What must be multiplied by 3 to get 51?	$\square \times 3 = 51$	17
22							What must be multiplied by 3 to get 54?	$\square \times 3 = 54$	18
23							What must be multiplied by 3 to get 57?	$\square \times 3 = 57$	19
24							What must be multiplied by 3 to get 60?	$\square \times 3 = 60$	20
25							What must be multiplied by 3 to get 63?	$\square \times 3 = 63$	21

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 1 times 3?	1 × 3 = ☐	3
2							What is 10 times 3?	10 × 3 = ☐	30
3							What is 100 times 3?	100 × 3 = ☐	300
4							What is 1000 times 3?	1000 × 3 = ☐	3000
							"What do you notice?"		
5							What is 10 times 6?	10 × 6 = ☐	60
6							What is 100 times 6?	100 × 6 = ☐	600
7							What is 1000 times 6?	1000 × 6 = ☐	6000
8							What is 10 times 7?	10 × 7 = ☐	70
9							What is 100 times 7?	100 × 7 = ☐	700
10							What is 1000 times 7?	1000 × 7 = ☐	7000
11							What is 10 times 12?	10 × 12 = ☐	120
12							What is 100 times 12?	100 × 12 = ☐	1200
							"Explain how you got your answer."		
13							What is 100 times 15?	100 × 15 = ☐	1500
14							What is 3 times 3?	3 × 3 = ☐	9
15							What is 3 times 6?	3 × 6 = ☐	18
16							What is 4 times 3?	4 × 3 = ☐	12
17							What is 3 times 7?	3 × 7 = ☐	21
18							What is 3 times 9?	3 × 9 = ☐	27
19							What is 3 times 8?	3 × 8 = ☐	24
20							What is 3 times 11?	3 × 11 = ☐	33
21							What is 12 times 3?	12 × 3 = ☐	36
22							What is 13 times 3? Explain.	13 × 3 = ☐	39
23							What is 14 times 3?	14 × 3 = ☐	42
24							What is 15 times 3?	15 × 3 = ☐	45
25							What is 20 times 3?	20 × 3 = ☐	60

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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 5 plus 5?	5 + 5 = ☐	10
2	■						What is 4 plus 5?	4 + 5 = ☐	9
3			■				What is 3 plus 7?	3 + 7 = ☐	10
4	■						What is 2 plus 5?	2 + 5 = ☐	7
5	■						What is 4 plus 3?	4 + 3 = ☐	7
6	■						What is 7 plus 2?	7 + 2 = ☐	9
7	■						What is 3 plus 6?	3 + 6 = ☐	9
8			■				What is 4 plus 6?	4 + 6 = ☐	10
9				■			What is 5 plus 6?	5 + 6 = ☐	11
10	■						What is 10 plus 5?	10 + 5 = ☐	15
11	■						What is 11 plus 5?	11 + 5 = ☐	16
12	■						What is 11 plus 12?	11 + 12 = ☐	23
							"Explain how you got your answer."		
13	■						What is 14 plus 15?	14 + 15 = ☐	29
14	■						What is 12 plus 16?	12 + 16 = ☐	28
15	■						What is 10 plus 4?	10 + 4 = ☐	14
16				■			What is 9 plus 4?	9 + 4 = ☐	13
17				■			What is 19 plus 4?	19 + 4 = ☐	23
18				■			What is 19 plus 14?	19 + 14 = ☐	33
							"Explain how you got your answer."		
19	■						What must be added to 16 to get 26?	16 + ☐ = 26	10
20	■						What must be added to 16 to get 28?	16 + ☐ = 28	12
21	■						What must be added to 28 to get 58?	28 + ☐ = 58	30
22				■			What must be added to 28 to get 56?	28 + ☐ = 56	28
23				■			What must be added to 28 to get 55?	28 + ☐ = 55	27
24			■				What must be added to 8 to get 20?	8 + ☐ = 20	12
25	■						What must be added to 8 to get 19?	8 + ☐ = 19	11

#	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	Question		Answer
1			orange				What must be added to 3 to get 10?	$3 + \square = 10$	7
2				blue			What must be added to 3 to get 11?	$3 + \square = 11$	8
3				blue			What must be added to 3 to get 12?	$3 + \square = 12$	9
4	red						What must be added to 3 to get 13?	$3 + \square = 13$	10
5	red						What must be added to 6 to get 16?	$6 + \square = 16$	10
6	red						What must be added to 5 to get 16?	$5 + \square = 16$	11
							"Explain how you got your answer."		
7	red						What must be added to 4 to get 16?	$4 + \square = 16$	12
8	red						What must be added to 10 to get 16?	$10 + \square = 16$	6
9				blue			What must be added to 9 to get 16?	$9 + \square = 16$	7
10				blue			What must be added to 8 to get 16?	$8 + \square = 16$	8
11	red						What must be added to 2 to get 8?	$2 + \square = 8$	6
12	red						What must be added to 2 to get 18?	$2 + \square = 18$	16
13	red						What must be added to 2 to get 28?	$2 + \square = 28$	26
14	red						What must be added to 12 to get 18?	$12 + \square = 18$	6
							"Explain how you got your answer."		
15	red						What must be added to 12 to get 28?	$12 + \square = 28$	16
16			orange				What must be added to 8 to get 10?	$8 + \square = 10$	2
17				blue			What must be added to 8 to get 20?	$8 + \square = 20$	12
18				blue			What must be added to 8 to get 19?	$8 + \square = 19$	11
19	red						What must be added to 8 to get 18?	$8 + \square = 18$	10
20				blue			What must be added to 8 to get 17?	$8 + \square = 17$	9
21				blue			What must be added to 8 to get 27?	$8 + \square = 27$	19
22				blue			What must be added to 18 to get 27?	$18 + \square = 27$	9
23				blue			What must be added to 18 to get 37?	$18 + \square = 37$	19
24				blue			What must be added to 28 to get 37?	$28 + \square = 37$	9
25				blue			What must be added to 28 to get 47?	$28 + \square = 47$	19

	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts			
1							What is 1 times 11?	1 × 11 = ☐	11
2							What is 2 times 11?	2 × 11 = ☐	22
3							What is 4 times 11?	4 × 11 = ☐	44
4							What is 6 times 11? Explain.	6 × 11 = ☐	66
5							What is 5 times 11?	5 × 11 = ☐	55
6							What is 3 times 11?	3 × 11 = ☐	33
7							What is 7 times 11?	7 × 11 = ☐	77
8							What is 6 times 11?	6 × 11 = ☐	66
9							What is 8 times 11?	8 × 11 = ☐	88
10							What is 9 times 11?	9 × 11 = ☐	99
11							What is 10 times 11?	10 × 11 = ☐	110
12							What must 2 be multiplied by to get 22?	2 × ☐ = 22	11
13							What must 3 be multiplied by to get 33?	3 × ☐ = 33	11
14							What must 6 be multiplied by to get 66?	6 × ☐ = 66	11
15							What must 11 be multiplied by to get 77?	11 × ☐ = 77	7
16							What must 11 be multiplied by to get 99?	11 × ☐ = 99	9
17							What must 11 be multiplied by to get 44?	11 × ☐ = 44	4
18							What must 11 be multiplied by to get 110?	11 × ☐ = 110	10
19							What is 10 times 11?	10 × 11 = ☐	110
20							What is 2 times 11?	2 × 11 = ☐	22
21							What is 12 times 11?	12 × 11 = ☐	132
22							What is 10 times 11?	10 × 11 = ☐	110
23							What is 3 times 11?	3 × 11 = ☐	33
24							What is 13 times 11? Explain.	13 × 11 = ☐	143
25							What is 14 times 11?	14 × 11 = ☐	154

	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 10?	5 + ☐ = 10	5
2							What must be added to 50 to get 100?	50 + ☐ = 100	50
3							What must be added to 10 to get 15?	10 + ☐ = 15	5
4							What must be added to 100 to get 150?	100 + ☐ = 150	50
5							What must be added to 15 to get 20?	15 + ☐ = 20	5
6							What must be added to 150 to get 200?	150 + ☐ = 200	50
7							What must be added to 200 to get 250?	200 + ☐ = 250	50
8							What must be added to 250 to get 300?	250 + ☐ = 300	50
9							What must be subtracted from 350 to get 300? Explain.	350 - ☐ = 300	50
10							What must be subtracted from 300 to get 250?	300 - ☐ = 250	50
11							What must be subtracted from 150 to get 100?	150 - ☐ = 100	50
12							What must be subtracted from 100 to get 50?	100 - ☐ = 50	50
13							What must be added to 25 to get 50?	25 + ☐ = 50	25
14							What must be added to 125 to get 150? Explain.	125 + ☐ = 150	25
15							What must be added to 35 to get 60?	35 + ☐ = 60	25
16							What must be added to 45 to get 70?	45 + ☐ = 70	25
17							What must be added to 55 to get 80?	55 + ☐ = 80	25
18							What must be added to 75 to get 100?	75 + ☐ = 100	25
19							What must be added to 175 to get 210?	175 + ☐ = 210	35
20							What must be added to 20 to get 45?	20 + ☐ = 45	25
21							What must be added to 30 to get 55?	30 + ☐ = 55	25
22							What must be added to 50 to get 75?	50 + ☐ = 75	25
23							What must be added to 150 to get 175?	150 + ☐ = 175	25
24							What must be added to 100 to get 125?	100 + ☐ = 125	25
25							What must be added to 200 to get 225?	200 + ☐ = 225	25

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#	Single Digit Arithmetic	Arithmetic with Multiples of 10	Completing the 10s	Bridging the 10s	Doubling & Halving	Multiplication Facts	Question		Answer
1	red						What is 10 plus 5?	10 + 5 = ☐	15
2			orange				What is 15 plus 15?	15 + 15 = ☐	30
3	red						What is 30 plus 15?	30 + 15 = ☐	45
4			orange				What is 45 plus 15?	45 + 15 = ☐	60
							"Explain how you got your answer."		
5	red						What is 60 plus 15?	60 + 15 = ☐	75
6			orange				What is 75 plus 15?	75 + 15 = ☐	90
7	red						What is 90 plus 15?	90 + 15 = ☐	105
8			orange				What is 105 plus 15?	105 + 15 = ☐	120
9	red						What is 120 plus 15?	120 + 15 = ☐	135
							"Explain how you got your answer."		
10			orange				What is 135 plus 5?	135 + 5 = ☐	140
11	red	green					What is 170 plus 10?	170 + 10 = ☐	180
12	red						What is 180 plus 5?	180 + 5 = ☐	185
13	red						What is 195 plus 10?	195 + 10 = ☐	205
14	red						What is 205 plus 5?	205 + 5 = ☐	210
15	red						What is 200 plus 5?	200 + 5 = ☐	205
16			orange				What is 215 plus 5?	215 + 5 = ☐	220
17	red						What is 220 plus 5?	220 + 5 = ☐	225
18			orange				What is 285 plus 5?	285 + 5 = ☐	290
19	red						What is 260 plus 5?	260 + 5 = ☐	265
20			orange				What is 295 plus 5?	295 + 5 = ☐	300
							"Explain how you got your answer."		
21	red						What is 2 times 15?	2 × 15 = ☐	30
22			orange				What is 4 times 15?	4 × 15 = ☐	60
23	red						What is 8 times 15? Explain.	8 × 15 = ☐	120
24			orange				What is 5 times 15?	5 × 15 = ☐	75
25	red						What is 7 times 15? Explain.	7 × 15 = ☐	105

	NumberSense Book 9: Page 1	Answers
1	5 + 5 = ☐	
2	10 + 5 = ☐	
3	25 + 5 = ☐	
4	35 + 5 = ☐	
5	45 + 5 = ☐	
6	55 + 5 = ☐	
7	75 + 5 = ☐	
8	95 + 5 = ☐	
9	105 + 5 = ☐	
10	115 + 5 = ☐	
11	125 + 5 = ☐	
12	30 + 5 = ☐	
13	50 + 5 = ☐	
14	70 + 5 = ☐	
15	80 + 5 = ☐	
16	10 + 5 = ☐	
17	110 + 5 = ☐	
18	15 - 5 = ☐	
19	35 - 5 = ☐	
20	75 - 5 = ☐	
21	95 - 5 = ☐	
22	20 - 5 = ☐	
23	40 - 5 = ☐	
24	90 - 5 = ☐	
25	100 - 5 = ☐	

	NumberSense Book 9: Page 2	Answers
1	4 + 4 = ☐	
2	24 + 4 = ☐	
3	34 + 4 = ☐	
4	44 + 4 = ☐	
5	54 + 4 = ☐	
6	94 + 4 = ☐	
7	104 + 4 = ☐	
8	8 + 4 = ☐	
9	28 + 4 = ☐	
10	38 + 4 = ☐	
11	48 + 4 = ☐	
12	68 + 4 = ☐	
13	88 + 4 = ☐	
14	6 + 4 = ☐	
15	16 + 4 = ☐	
16	26 + 4 = ☐	
17	36 + 4 = ☐	
18	46 + 4 = ☐	
19	86 + 4 = ☐	
20	☐ + 8 = 48	
21	☐ + 7 = 47	
22	☐ + 6 = 36	
23	☐ + 5 = 55	
24	☐ + 50 = 53	
25	☐ + 60 = 67	

	NumberSense Book 9: Page 3	Answers
1	5 + ☐ = 15	
2	7 + ☐ = 17	
3	8 + ☐ = 18	
4	8 + ☐ = 28	
5	8 + ☐ = 38	
6	8 + ☐ = 48	
7	4 + ☐ = 14	
8	4 + ☐ = 24	
9	4 + ☐ = 44	
10	4 + ☐ = 64	
11	4 + ☐ = 74	
12	5 + ☐ = 15	
13	5 + ☐ = 35	
14	5 + ☐ = 65	
15	5 + ☐ = 85	
16	7 + ☐ = 17	
17	7 + ☐ = 27	
18	7 + ☐ = 37	
19	7 + ☐ = 47	
20	7 + ☐ = 57	
21	7 + ☐ = 67	
22	3 + ☐ = 13	
23	3 + ☐ = 23	
24	3 + ☐ = 43	
25	3 + ☐ = 53	

	NumberSense Book 9: Page 4	Answers
1	12 = ☐ + 2	
2	12 = ☐ + 3	
3	12 = ☐ + 4	
4	12 = ☐ + 5	
5	13 = ☐ + 3	
6	13 = ☐ + 2	
7	13 = ☐ + 3	
8	13 = ☐ + 4	
9	13 = ☐ + 5	
10	23 = ☐ + 3	
11	33 = ☐ + 2	
12	33 = ☐ + 1	
13	33 = ☐ + 3	
14	33 = ☐ + 4	
15	3 + 10 = ☐	
16	3 + 9 = ☐	
17	13 + 10 = ☐	
18	13 + 9 = ☐	
19	23 + 10 = ☐	
20	23 + 9 = ☐	
21	33 + 10 = ☐	
22	33 + 9 = ☐	
23	43 + 10 = ☐	
24	43 + 9 = ☐	
25	53 + 9 = ☐	

	NumberSense Book 9: Page 5	Answers
1	2 × 10 = ☐	
2	2 × 5 = ☐	
3	4 × 10 = ☐	
4	4 × 5 = ☐	
5	40 halved = ☐	
6	5 × 10 = ☐	
7	5 × 5 = ☐	
8	10 × ☐ = 50	
9	6 × 10 = ☐	
10	6 × 5 = ☐	
11	5 × ☐ = 30	
12	7 × 10 = ☐	
13	7 × 5 = ☐	
14	5 × ☐ = 35	
15	8 × 10 = ☐	
16	8 × 5 = ☐	
17	9 × 10 = ☐	
18	9 × 5 = ☐	
19	11 × 5 = ☐	
20	12 × 10 = ☐	
21	12 × 5 = ☐	
22	13 × 10 = ☐	
23	13 × 5 = ☐	
24	10 × ☐ = 130	
25	5 × ☐ = 65	

	NumberSense Book 9: Page 6	Answers
1	4 + 6 = ☐	
2	24 + 6 = ☐	
3	34 + 6 = ☐	
4	44 + 6 = ☐	
5	64 + 6 = ☐	
6	14 + 6 = ☐	
7	7 + 3 = ☐	
8	27 + 3 = ☐	
9	37 + 3 = ☐	
10	47 + 3 = ☐	
11	17 + 3 = ☐	
12	7 + 3 = ☐	
13	7 + 4 = ☐	
14	27 + 4 = ☐	
15	37 + 4 = ☐	
16	47 + 4 = ☐	
17	57 + 4 = ☐	
18	32 + 5 = ☐	
19	37 - 20 = ☐	
20	17 + 3 = ☐	
21	20 + 4 = ☐	
22	24 + 6 = ☐	
23	30 - 9 = ☐	
24	21 + 5 = ☐	
25	26 + 3 = ☐	

	NumberSense Book 9: Page 7	Answers
1	2 × 3 = ☐	
2	2 × 6 = ☐	
3	6 doubled = ☐	
4	4 × 3 = ☐	
5	4 × 6 = ☐	
6	12 doubled = ☐	
7	5 × 3 = ☐	
8	5 × 6 = ☐	
9	15 doubled = ☐	
10	6 × 3 = ☐	
11	6 × 6 = ☐	
12	7 × 3 = ☐	
13	7 × 6 = ☐	
14	8 × 3 = ☐	
15	8 × 6 = ☐	
16	9 × 3 = ☐	
17	9 × 6 = ☐	
18	10 × 3 = ☐	
19	10 × 6 = ☐	
20	11 × 3 = ☐	
21	11 × 6 = ☐	
22	12 × 3 = ☐	
23	12 × 6 = ☐	
24	3 × 3 = ☐	
25	3 × 6 = ☐	

	NumberSense Book 9: Page 8	Answers
1	5 + 5 = ☐	
2	6 + 5 = ☐	
3	16 + 5 = ☐	
4	16 + 15 = ☐	
5	16 + 25 = ☐	
6	6 + 5 = ☐	
7	26 + 5 = ☐	
8	26 + 15 = ☐	
9	26 + 25 = ☐	
10	6 + 5 = ☐	
11	36 + 5 = ☐	
12	36 + 15 = ☐	
13	36 + 25 = ☐	
14	36 + 35 = ☐	
15	6 + 5 = ☐	
16	46 + 5 = ☐	
17	46 + 15 = ☐	
18	46 + 25 = ☐	
19	6 + 5 = ☐	
20	56 + 5 = ☐	
21	56 + 15 = ☐	
22	56 + 25 = ☐	
23	76 + 15 = ☐	
24	76 + 25 = ☐	
25	86 + 25 = ☐	

	NumberSense Book 9: Page 9	Answers
1	2 × 10 = ☐	
2	2 × 5 = ☐	
3	3 × 10 = ☐	
4	3 × 5 = ☐	
5	4 × 10 = ☐	
6	4 × 5 = ☐	
7	6 × 10 = ☐	
8	6 × 5 = ☐	
9	60 halved = ☐	
10	7 × 10 = ☐	
11	7 × 5 = ☐	
12	☐ × 5 = 35	
13	8 × 5 = ☐	
14	☐ × 5 = 40	
15	9 × 10 = ☐	
16	9 × 5 = ☐	
17	10 × 10 = ☐	
18	11 × 10 = ☐	
19	11 × 5 = ☐	
20	12 × 10 = ☐	
21	12 × 5 = ☐	
22	13 × 10 = ☐	
23	13 × 5 = ☐	
24	14 × 10 = ☐	
25	14 × 5 = ☐	

	NumberSense Book 9: Page 10	Answers
1	6 doubled = ☐	
2	7 doubled = ☐	
3	9 doubled = ☐	
4	12 doubled = ☐	
5	13 doubled = ☐	
6	14 doubled = ☐	
7	15 doubled = ☐	
8	16 doubled = ☐	
9	24 doubled = ☐	
10	25 doubled = ☐	
11	50 doubled = ☐	
12	☐ doubled = 20	
13	☐ doubled = 24	
14	☐ doubled = 28	
15	☐ doubled = 50	
16	☐ doubled = 100	
17	20 + ☐ = 30	
18	30 - ☐ = 28	
19	28 + ☐ = 32	
20	32 + ☐ = 40	
21	40 - ☐ = 37	
22	37 + ☐ = 41	
23	41 + ☐ = 48	
24	48 + ☐ = 70	
25	70 + ☐ = 110	

	NumberSense Book 9: Page 11	Answers
1	6 + 6 = ☐	
2	7 + 6 = ☐	
3	6 + 6 = ☐	
4	5 + 6 = ☐	
5	5 + 5 = ☐	
6	4 + 5 = ☐	
7	7 + 7 = ☐	
8	7 + 8 = ☐	
9	6 + 8 = ☐	
10	5 + 8 = ☐	
11	10 + 10 = ☐	
12	11 + 9 = ☐	
13	11 + 11 = ☐	
14	11 + 12 = ☐	
15	11 + 13 = ☐	
16	11 + 15 = ☐	
17	20 + 24 = ☐	
18	21 + 22 = ☐	
19	24 + 25 = ☐	
20	100 + ☐ = 107	
21	107 + ☐ = 127	
22	103 + ☐ = 153	
23	3 + ☐ = 143	
24	200 + ☐ = 252	
25	200 + ☐ = 213	

	NumberSense Book 9: Page 12	Answers
1	1 + 4 = ☐	
2	21 + 4 = ☐	
3	31 + 4 = ☐	
4	41 + 4 = ☐	
5	51 + 4 = ☐	
6	11 + 4 = ☐	
7	5 + 5 = ☐	
8	5 + 4 = ☐	
9	25 + 4 = ☐	
10	35 + 4 = ☐	
11	45 + 4 = ☐	
12	65 + 4 = ☐	
13	33 + 3 = ☐	
14	36 + 3 = ☐	
15	44 - 3 = ☐	
16	41 + 4 = ☐	
17	45 + 5 = ☐	
18	50 + 4 = ☐	
19	54 - 3 = ☐	
20	51 + 4 = ☐	
21	55 + 9 = ☐	
22	64 - 5 = ☐	
23	59 + 4 = ☐	
24	63 + 3 = ☐	
25	66 - 5 = ☐	

	NumberSense Book 9: Page 13	Answers
1	10 + 4 = ☐	
2	9 + 4 = ☐	
3	29 + 4 = ☐	
4	39 + 4 = ☐	
5	49 + 4 = ☐	
6	10 + 6 = ☐	
7	9 + 6 = ☐	
8	29 + 6 = ☐	
9	39 + 6 = ☐	
10	59 + 6 = ☐	
11	10 + 6 = ☐	
12	8 + 6 = ☐	
13	28 + 6 = ☐	
14	38 + 6 = ☐	
15	58 + 6 = ☐	
16	78 + 6 = ☐	
17	10 + 4 = ☐	
18	8 + 4 = ☐	
19	28 + 4 = ☐	
20	38 + 4 = ☐	
21	☐ = 39 + 10	
22	☐ = 28 + 10	
23	☐ = 17 + 10	
24	☐ = 46 + 10	
25	☐ = 55 + 10	

	NumberSense Book 9: Page 14	Answers
1	10 + 7 = ☐	
2	9 + 7 = ☐	
3	29 + 7 = ☐	
4	19 + 27 = ☐	
5	29 + 27 = ☐	
6	39 + 17 = ☐	
7	8 + 2 = ☐	
8	8 + 3 = ☐	
9	18 + 3 = ☐	
10	18 + 13 = ☐	
11	28 + 13 = ☐	
12	28 + 23 = ☐	
13	6 + 3 = ☐	
14	16 + 13 = ☐	
15	26 + 13 = ☐	
16	3 + ☐ = 9	
17	13 + ☐ = 29	
18	8 + ☐ = 16	
19	9 + ☐ = 16	
20	29 + ☐ = 36	
21	29 + ☐ = 56	
22	7 + ☐ = 16	
23	17 + ☐ = 36	
24	37 + ☐ = 56	
25	38 + ☐ = 66	

	NumberSense Book 9: Page 15	Answers
1	2 × 3 = ☐	
2	2 × 6 = ☐	
3	3 × 3 = ☐	
4	3 × 6 = ☐	
5	7 × 3 = ☐	
6	7 × 6 = ☐	
7	☐ × 6 = 42	
8	8 × 6 = ☐	
9	☐ × 3 = 24	
10	☐ × 6 = 48	
11	4 + 6 = ☐	
12	24 + 6 = ☐	
13	34 + 6 = ☐	
14	54 + 6 = ☐	
15	74 + 6 = ☐	
16	☐ + 6 = 10	
17	☐ + 6 = 20	
18	☐ + 6 = 30	
19	☐ + 6 = 40	
20	☐ + 6 = 50	
21	☐ + 6 = 60	
22	☐ + 6 = 80	
23	☐ + 6 = 90	
24	☐ + 6 = 100	
25	☐ + 6 = 110	

	NumberSense Book 9: Page 16	Answers
1	6 + 4 = ☐	
2	26 + 4 = ☐	
3	36 + 4 = ☐	
4	46 + 4 = ☐	
5	56 + 4 = ☐	
6	16 + 4 = ☐	
7	7 + 3 = ☐	
8	27 + 3 = ☐	
9	37 + 3 = ☐	
10	47 + 3 = ☐	
11	67 + 3 = ☐	
12	17 + 3 = ☐	
13	7 + ☐ = 10	
14	17 + ☐ = 20	
15	27 + ☐ = 30	
16	37 + ☐ = 40	
17	47 + ☐ = 50	
18	57 + ☐ = 60	
19	4 + ☐ = 10	
20	14 + ☐ = 20	
21	24 + ☐ = 30	
22	34 + ☐ = 40	
23	44 + ☐ = 50	
24	54 + ☐ = 60	
25	64 + ☐ = 70	

	NumberSense Book 9: Page 17	Answers
1	2 + 5 = ☐	
2	12 + 5 = ☐	
3	12 + 15 = ☐	
4	22 + 25 = ☐	
5	22 + 35 = ☐	
6	2 + 4 = ☐	
7	12 + 4 = ☐	
8	12 + 14 = ☐	
9	12 + 24 = ☐	
10	22 + 24 = ☐	
11	5 + 5 = ☐	
12	5 + 4 = ☐	
13	15 + 4 = ☐	
14	15 + 14 = ☐	
15	25 + 24 = ☐	
16	5 + 14 = ☐	
17	3 + 7 = ☐	
18	5 + 7 = ☐	
19	15 + 7 = ☐	
20	15 + 17 = ☐	
21	☐ × 2 = 4	
22	☐ × 2 = 40	
23	☐ × 2 = 8	
24	☐ × 2 = 80	
25	☐ × 2 = 48	

	NumberSense Book 9: Page 18	Answers
1	6 + 4 = ☐	
2	6 + 3 = ☐	
3	26 + 3 = ☐	
4	36 + 3 = ☐	
5	46 + 3 = ☐	
6	76 + 3 = ☐	
7	96 + 3 = ☐	
8	16 + 3 = ☐	
9	116 + 3 = ☐	
10	136 + 3 = ☐	
11	6 + 4 = ☐	
12	6 + 5 = ☐	
13	26 + 5 = ☐	
14	36 + 5 = ☐	
15	46 + 5 = ☐	
16	56 + 5 = ☐	
17	76 + 5 = ☐	
18	96 + 5 = ☐	
19	126 + 5 = ☐	
20	6 + 4 = ☐	
21	26 + 4 = ☐	
22	36 + 4 = ☐	
23	56 + 4 = ☐	
24	96 + 4 = ☐	
25	176 + 4 = ☐	

	NumberSense Book 9: Page 19	Answers
1	10 + 5 = ☐	
2	20 + 5 = ☐	
3	30 + 5 = ☐	
4	40 + 5 = ☐	
5	50 + 5 = ☐	
6	60 + 5 = ☐	
7	90 + 5 = ☐	
8	100 + 5 = ☐	
9	110 + 5 = ☐	
10	170 + 5 = ☐	
11	5 + 10 = ☐	
12	15 + 10 = ☐	
13	25 + 10 = ☐	
14	35 + 10 = ☐	
15	45 + 10 = ☐	
16	55 + 10 = ☐	
17	65 + 10 = ☐	
18	95 + 10 = ☐	
19	105 + 10 = ☐	
20	5 × 2 = ☐	
21	5 × 4 = ☐	
22	5 × 8 = ☐	
23	5 × 3 = ☐	
24	5 × 6 = ☐	
25	5 × 12 = ☐	

	NumberSense Book 9: Page 20	Answers
1	4 + 6 = ☐	
2	3 + 7 = ☐	
3	8 + 2 = ☐	
4	28 + 2 = ☐	
5	38 + 2 = ☐	
6	58 + 2 = ☐	
7	18 + 2 = ☐	
8	48 + ☐ = 50	
9	38 + ☐ = 40	
10	28 + ☐ = 30	
11	58 + ☐ = 60	
12	2 + 8 = ☐	
13	22 + 8 = ☐	
14	32 + 8 = ☐	
15	42 + 8 = ☐	
16	52 + 8 = ☐	
17	72 + 8 = ☐	
18	12 + 8 = ☐	
19	2 + ☐ = 10	
20	22 + ☐ = 30	
21	62 + ☐ = 70	
22	42 + ☐ = 50	
23	32 + ☐ = 40	
24	82 + ☐ = 90	
25	92 + ☐ = 100	

	NumberSense Book 9: Page 21	Answers
1	3 + 7 = ☐	
2	3 + 6 = ☐	
3	23 + 6 = ☐	
4	33 + 6 = ☐	
5	43 + 6 = ☐	
6	63 + 6 = ☐	
7	83 + 6 = ☐	
8	53 + 6 = ☐	
9	153 + 6 = ☐	
10	73 + 6 = ☐	
11	173 + 6 = ☐	
12	3 + 7 = ☐	
13	23 + 7 = ☐	
14	33 + 7 = ☐	
15	43 + 7 = ☐	
16	53 + 7 = ☐	
17	153 + 7 = ☐	
18	3 + 8 = ☐	
19	23 + 8 = ☐	
20	33 + 8 = ☐	
21	163 + 8 = ☐	
22	100 + ☐ = 150	
23	100 + ☐ = 153	
24	300 + ☐ = 362	
25	400 + ☐ = 415	

	NumberSense Book 9: Page 22	Answers
1	0 + 10 = ☐	
2	10 + 10 = ☐	
3	20 + 10 = ☐	
4	30 + 10 = ☐	
5	40 + 20 = ☐	
6	100 + 10 = ☐	
7	110 + 20 = ☐	
8	120 + 20 = ☐	
9	20 + 5 = ☐	
10	30 + 5 = ☐	
11	100 + 5 = ☐	
12	35 + 5 = ☐	
13	75 + 5 = ☐	
14	75 + 15 = ☐	
15	105 + 5 = ☐	
16	105 + 15 = ☐	
17	125 + 5 = ☐	
18	130 + 5 = ☐	
19	145 + 5 = ☐	
20	115 + 10 = ☐	
21	115 + 15 = ☐	
22	155 + 5 = ☐	
23	165 + 5 = ☐	
24	165 + 10 = ☐	
25	185 + 10 = ☐	

	NumberSense Book 9: Page 23	Answers
1	6 doubled = ☐	
2	7 doubled = ☐	
3	9 doubled = ☐	
4	11 doubled = ☐	
5	3 doubled = ☐	
6	10 doubled = ☐	
7	13 doubled = ☐	
8	12 doubled = ☐	
9	14 doubled = ☐	
10	15 doubled = ☐	
11	16 doubled = ☐	
12	17 doubled = ☐	
13	☐ doubled = 10	
14	☐ doubled = 12	
15	☐ doubled = 16	
16	☐ doubled = 18	
17	☐ doubled = 22	
18	☐ doubled = 24	
19	☐ doubled = 26	
20	60 + ☐ = 120	
21	66 + ☐ = 120	
22	30 + ☐ = 60	
23	30 + ☐ = 66	
24	30 + ☐ = 54	
25	35 + ☐ = 60	

	NumberSense Book 9: Page 24	Answers
1	1 + ☐ = 5	
2	10 + ☐ = 50	
3	15 + ☐ = 50	
4	2 + ☐ = 5	
5	20 + ☐ = 50	
6	25 + ☐ = 50	
7	30 + ☐ = 50	
8	35 + ☐ = 50	
9	40 + ☐ = 50	
10	45 + ☐ = 50	
11	5 + ☐ = 10	
12	50 + ☐ = 100	
13	6 + ☐ = 10	
14	60 + ☐ = 100	
15	70 + ☐ = 100	
16	80 + ☐ = 100	
17	90 + ☐ = 100	
18	95 + ☐ = 100	
19	50 + ☐ = 100	
20	55 + ☐ = 100	
21	60 + ☐ = 100	
22	65 + ☐ = 100	
23	70 + ☐ = 100	
24	75 + ☐ = 100	
25	80 + ☐ = 100	

	NumberSense Book 9: Page 25	Answers
1	10 - 7 = ☐	
2	11 - 7 = ☐	
3	12 - 7 = ☐	
4	14 - 7 = ☐	
5	15 - 7 = ☐	
6	25 - 7 = ☐	
7	35 - 7 = ☐	
8	45 - 7 = ☐	
9	☐ - 7 = 10	
10	☐ - 7 = 15	
11	☐ - 7 = 18	
12	☐ - 7 = 28	
13	☐ - 7 = 38	
14	☐ - 7 = 58	
15	☐ - 7 = 78	
16	☐ - 7 = 98	
17	☐ - 7 = 108	
18	☐ = 7 + 6	
19	☐ = 7 + 26	
20	☐ = 7 + 36	
21	☐ = 7 + 46	
22	☐ = 8 + 17	
23	☐ = 8 + 37	
24	☐ = 9 + 18	
25	☐ = 9 + 28	

	NumberSense Book 9: Page 26	Answers
1	15 - ☐ = 10	
2	25 - ☐ = 20	
3	45 - ☐ = 40	
4	95 - ☐ = 90	
5	105 - ☐ = 100	
6	115 - ☐ = 110	
7	10 - ☐ = 7	
8	30 - ☐ = 27	
9	40 - ☐ = 37	
10	70 - ☐ = 67	
11	80 - ☐ = 77	
12	90 - ☐ = 87	
13	100 - ☐ = 97	
14	7 - ☐ = 0	
15	27 - ☐ = 20	
16	37 - ☐ = 30	
17	47 - ☐ = 40	
18	77 - ☐ = 70	
19	87 - ☐ = 80	
20	107 - ☐ = 100	
21	27 - ☐ = 25	
22	37 - ☐ = 35	
23	57 - ☐ = 55	
24	97 - ☐ = 95	
25	107 - ☐ = 105	

	NumberSense Book 9: Page 27	Answers
1	4 × 10 = ☐	
2	6 × 10 = ☐	
3	7 × 10 = ☐	
4	8 × 10 = ☐	
5	9 × 10 = ☐	
6	10 × 10 = ☐	
7	11 × 10 = ☐	
8	12 × 10 = ☐	
9	2 × 4 = ☐	
10	4 × 4 = ☐	
11	8 doubled = ☐	
12	2 × 5 = ☐	
13	4 × 5 = ☐	
14	2 × 6 = ☐	
15	4 × 6 = ☐	
16	12 doubled = ☐	
17	2 × 7 = ☐	
18	4 × 7 = ☐	
19	2 × 8 = ☐	
20	4 × 8 = ☐	
21	2 × 9 = ☐	
22	4 × 9 = ☐	
23	4 × 10 = ☐	
24	4 × 11 = ☐	
25	4 × 12 = ☐	

	NumberSense Book 9: Page 28	Answers
1	7 + ☐ = 10	
2	27 + ☐ = 30	
3	37 + ☐ = 40	
4	47 + ☐ = 50	
5	57 + ☐ = 60	
6	3 + ☐ = 10	
7	23 + ☐ = 30	
8	33 + ☐ = 40	
9	43 + ☐ = 50	
10	63 + ☐ = 70	
11	73 + ☐ = 80	
12	6 + ☐ = 10	
13	26 + ☐ = 30	
14	36 + ☐ = 40	
15	16 + ☐ = 20	
16	56 + ☐ = 60	
17	76 + ☐ = 80	
18	96 + ☐ = 100	
19	5 + ☐ = 10	
20	5 + ☐ = 15	
21	5 + ☐ = 20	
22	25 + ☐ = 30	
23	25 + ☐ = 40	
24	30 + ☐ = 45	
25	60 + ☐ = 75	

	NumberSense Book 9: Page 29	Answers
1	17 - 7 = ☐	
2	16 - 7 = ☐	
3	26 - 7 = ☐	
4	36 - 7 = ☐	
5	46 - 7 = ☐	
6	66 - 7 = ☐	
7	86 - 7 = ☐	
8	96 - 7 = ☐	
9	106 - 7 = ☐	
10	☐ - 7 = 19	
11	☐ - 7 = 29	
12	☐ - 7 = 59	
13	☐ - 7 = 79	
14	☐ - 7 = 89	
15	☐ - 7 = 99	
16	16 - 10 = ☐	
17	16 - 9 = ☐	
18	26 - 9 = ☐	
19	36 - 9 = ☐	
20	46 - 9 = ☐	
21	56 - 9 = ☐	
22	☐ - 9 = 57	
23	☐ - 9 = 77	
24	☐ - 9 = 87	
25	☐ - 9 = 97	

	NumberSense Book 9: Page 30	Answers
1	20 + ☐ = 40	
2	30 + ☐ = 40	
3	20 + ☐ = 50	
4	30 + ☐ = 70	
5	40 + ☐ = 80	
6	60 + ☐ = 90	
7	2 + ☐ = 10	
8	22 + ☐ = 30	
9	32 + ☐ = 40	
10	52 + ☐ = 60	
11	5 + ☐ = 10	
12	45 + ☐ = 50	
13	75 + ☐ = 80	
14	95 + ☐ = 100	
15	7 + ☐ = 10	
16	27 + ☐ = 30	
17	27 + ☐ = 40	
18	27 + ☐ = 50	
19	27 + ☐ = 60	
20	37 + ☐ = 40	
21	37 + ☐ = 50	
22	37 + ☐ = 60	
23	47 + ☐ = 50	
24	47 + ☐ = 70	
25	47 + ☐ = 80	

	NumberSense Book 9: Page 31	Answers
1	2 × 2 = ☐	
2	4 × 2 = ☐	
3	3 × 2 = ☐	
4	6 × 2 = ☐	
5	8 × 2 = ☐	
6	9 × 2 = ☐	
7	10 × 2 = ☐	
8	15 × 2 = ☐	
9	16 × 2 = ☐	
10	30 × 2 = ☐	
11	2 × 4 = ☐	
12	4 × 4 = ☐	
13	8 doubled = ☐	
14	6 × 2 = ☐	
15	6 × 4 = ☐	
16	12 doubled = ☐	
17	8 × 2 = ☐	
18	8 × 4 = ☐	
19	16 doubled = ☐	
20	9 × 2 = ☐	
21	9 × 4 = ☐	
22	10 × 4 = ☐	
23	11 × 4 = ☐	
24	12 × 4 = ☐	
25	20 × 4 = ☐	

	NumberSense Book 9: Page 32	Answers
1	3 × 3 = ☐	
2	3 × 6 = ☐	
3	9 doubled = ☐	
4	4 × 3 = ☐	
5	4 × 6 = ☐	
6	12 doubled = ☐	
7	7 × 3 = ☐	
8	7 × 6 = ☐	
9	8 × 3 = ☐	
10	8 × 6 = ☐	
11	9 × 6 = ☐	
12	12 × 3 = ☐	
13	12 × 6 = ☐	
14	10 + 8 = ☐	
15	10 + 18 = ☐	
16	20 + 18 = ☐	
17	6 + 8 = ☐	
18	16 + 8 = ☐	
19	16 + 18 = ☐	
20	26 + 18 = ☐	
21	36 + 28 = ☐	
22	36 + 38 = ☐	
23	4 + ☐ = 8	
24	8 + ☐ = 18	
25	28 + ☐ = 54	

	NumberSense Book 9: Page 33	Answers
1	5 + 3 = ☐	
2	25 + 3 = ☐	
3	35 + 3 = ☐	
4	45 + 3 = ☐	
5	65 + 3 = ☐	
6	15 + 3 = ☐	
7	3 + 4 = ☐	
8	23 + 4 = ☐	
9	33 + 4 = ☐	
10	53 + 4 = ☐	
11	63 + 4 = ☐	
12	73 + 4 = ☐	
13	83 + 4 = ☐	
14	6 + 6 = ☐	
15	7 + 6 = ☐	
16	27 + 6 = ☐	
17	37 + 6 = ☐	
18	47 + 6 = ☐	
19	67 + 6 = ☐	
20	87 + 6 = ☐	
21	7 + 6 = ☐	
22	8 + 6 = ☐	
23	108 + 6 = ☐	
24	8 + 6 = ☐	
25	38 + 6 = ☐	

	NumberSense Book 9: Page 34	Answers
1	9 + 9 = ☐	
2	9 + 8 = ☐	
3	29 + 8 = ☐	
4	39 + 8 = ☐	
5	49 + 8 = ☐	
6	59 + 8 = ☐	
7	19 + 8 = ☐	
8	8 + 8 = ☐	
9	28 + 8 = ☐	
10	38 + 8 = ☐	
11	58 + 8 = ☐	
12	68 + 8 = ☐	
13	☐ - 8 = 10	
14	☐ - 8 = 15	
15	☐ - 8 = 20	
16	☐ - 8 = 25	
17	☐ - 8 = 30	
18	☐ - 8 = 45	
19	☐ - 8 = 55	
20	☐ - 8 = 65	
21	☐ - 8 = 35	
22	☐ - 8 = 36	
23	☐ - 8 = 26	
24	☐ - 8 = 16	
25	☐ - 8 = 6	

	NumberSense Book 9: Page 35	Answers
1	12 - 2 = ☐	
2	22 - 2 = ☐	
3	42 - 2 = ☐	
4	52 - 2 = ☐	
5	72 - 2 = ☐	
6	15 - 2 = ☐	
7	25 - 2 = ☐	
8	55 - 2 = ☐	
9	5 + 2 = ☐	
10	15 + 2 = ☐	
11	35 + 2 = ☐	
12	65 + 2 = ☐	
13	125 + 2 = ☐	
14	145 + 2 = ☐	
15	9 + 2 = ☐	
16	29 + 2 = ☐	
17	39 + 2 = ☐	
18	89 + 2 = ☐	
19	99 + 2 = ☐	
20	159 + 2 = ☐	
21	30 + ☐ = 70	
22	33 + ☐ = 70	
23	34 + ☐ = 80	
24	18 + ☐ = 60	
25	17 + ☐ = 30	

	NumberSense Book 9: Page 36	Answers
1	5 + 5 = ☐	
2	5 + 4 = ☐	
3	5 + 6 = ☐	
4	10 + 6 = ☐	
5	9 + 6 = ☐	
6	9 + 5 = ☐	
7	11 + 11 = ☐	
8	12 + 11 = ☐	
9	13 + 14 = ☐	
10	15 + 11 = ☐	
11	12 + 13 = ☐	
12	22 + 22 = ☐	
13	22 + 24 = ☐	
14	23 + 24 = ☐	
15	25 + 24 = ☐	
16	25 + 25 = ☐	
17	25 + 26 = ☐	
18	26 + 26 = ☐	
19	31 + 31 = ☐	
20	32 + 34 = ☐	
21	35 + 34 = ☐	
22	41 + 41 = ☐	
23	42 + 43 = ☐	
24	41 + 45 = ☐	
25	43 + 45 = ☐	

	NumberSense Book 9: Page 37	Answers
1	2 × 4 = ☐	
2	3 × 4 = ☐	
3	4 × 2 = ☐	
4	4 × 4 = ☐	
5	8 doubled = ☐	
6	5 × 4 = ☐	
7	6 × 2 = ☐	
8	6 × 4 = ☐	
9	12 doubled = ☐	
10	7 × 2 = ☐	
11	7 × 4 = ☐	
12	14 doubled = ☐	
13	8 × 4 = ☐	
14	9 × 4 = ☐	
15	☐ × 4 = 36	
16	11 × 4 = ☐	
17	12 × 4 = ☐	
18	15 × 4 = ☐	
19	18 × 4 = ☐	
20	20 × 4 = ☐	
21	21 × 4 = ☐	
22	☐ × 4 = 84	
23	25 × 4 = ☐	
24	☐ × 4 = 112	
25	☐ × 4 = 140	

	NumberSense Book 9: Page 38	Answers
1	10 + ☐ = 20	
2	30 + ☐ = 50	
3	60 + ☐ = 80	
4	100 + ☐ = 110	
5	110 + ☐ = 120	
6	120 + ☐ = 140	
7	140 + ☐ = 150	
8	80 - ☐ = 60	
9	50 - ☐ = 20	
10	150 - ☐ = 120	
11	120 - ☐ = 20	
12	140 - ☐ = 120	
13	1 + ☐ = 10	
14	11 + ☐ = 20	
15	21 + ☐ = 30	
16	31 + ☐ = 40	
17	51 + ☐ = 60	
18	91 + ☐ = 100	
19	101 + ☐ = 110	
20	5 + ☐ = 10	
21	5 + ☐ = 11	
22	25 + ☐ = 31	
23	35 + ☐ = 41	
24	85 + ☐ = 91	
25	95 + ☐ = 101	

	NumberSense Book 9: Page 39	Answers
1	7 + 7 = ☐	
2	7 + 5 = ☐	
3	27 + 5 = ☐	
4	37 + 5 = ☐	
5	47 + 5 = ☐	
6	87 + 5 = ☐	
7	17 + 5 = ☐	
8	5 + 7 = ☐	
9	25 + 7 = ☐	
10	35 + 7 = ☐	
11	45 + 7 = ☐	
12	55 + 7 = ☐	
13	15 + 7 = ☐	
14	7 + 7 = ☐	
15	7 + 8 = ☐	
16	27 + 8 = ☐	
17	37 + 8 = ☐	
18	47 + 8 = ☐	
19	57 + 8 = ☐	
20	97 + 8 = ☐	
21	17 + 8 = ☐	
22	8 + 7 = ☐	
23	28 + 7 = ☐	
24	38 + 7 = ☐	
25	18 + 7 = ☐	

	NumberSense Book 9: Page 40	Answers
1	24 doubled = ☐	
2	25 doubled = ☐	
3	26 doubled = ☐	
4	27 doubled = ☐	
5	28 doubled = ☐	
6	29 doubled = ☐	
7	30 doubled = ☐	
8	32 doubled = ☐	
9	33 doubled = ☐	
10	34 doubled = ☐	
11	35 doubled = ☐	
12	36 doubled = ☐	
13	37 doubled = ☐	
14	38 doubled = ☐	
15	40 doubled = ☐	
16	☐ doubled = 48	
17	☐ doubled = 50	
18	☐ doubled = 52	
19	☐ doubled = 54	
20	☐ doubled = 56	
21	☐ doubled = 58	
22	☐ doubled = 60	
23	☐ doubled = 40	
24	☐ doubled = 38	
25	☐ doubled = 36	

	NumberSense Book 9: Page 41	Answers
1	$2 \times 2 =$ ☐	
2	$2 \times 20 =$ ☐	
3	$3 \times 2 =$ ☐	
4	$3 \times 20 =$ ☐	
5	$4 \times 2 =$ ☐	
6	$4 \times 20 =$ ☐	
7	$6 \times 2 =$ ☐	
8	$6 \times 20 =$ ☐	
9	$7 \times 2 =$ ☐	
10	$7 \times 20 =$ ☐	
11	$12 \times 20 =$ ☐	
12	$2 \times 5 =$ ☐	
13	$2 \times 50 =$ ☐	
14	$3 \times 5 =$ ☐	
15	$3 \times 50 =$ ☐	
16	$4 \times 50 =$ ☐	
17	$5 \times 50 =$ ☐	
18	☐ $\times 50 = 250$	
19	☐ $\times 50 = 300$	
20	☐ $\times 50 = 100$	
21	☐ $\times 50 = 350$	
22	☐ $\times 20 = 40$	
23	☐ $\times 20 = 100$	
24	☐ $\times 20 = 220$	
25	☐ $\times 20 = 240$	

	NumberSense Book 9: Page 42	Answers
1	$1 \times 3 =$ ☐	
2	$2 \times 3 =$ ☐	
3	$5 \times 3 =$ ☐	
4	$3 \times 3 =$ ☐	
5	$6 \times 3 =$ ☐	
6	$8 \times 3 =$ ☐	
7	$7 \times 3 =$ ☐	
8	$8 \times 3 =$ ☐	
9	$10 \times 3 =$ ☐	
10	$5 \times 3 =$ ☐	
11	$15 \times 3 =$ ☐	
12	$13 \times 3 =$ ☐	
13	$16 \times 3 =$ ☐	
14	$17 \times 3 =$ ☐	
15	$18 \times 3 =$ ☐	
16	$20 \times 3 =$ ☐	
17	☐ $\times 3 = 15$	
18	☐ $\times 3 = 30$	
19	☐ $\times 3 = 45$	
20	☐ $\times 3 = 48$	
21	☐ $\times 3 = 51$	
22	☐ $\times 3 = 54$	
23	☐ $\times 3 = 57$	
24	☐ $\times 3 = 60$	
25	☐ $\times 3 = 63$	

	NumberSense Book 9: Page 43	Answers
1	1 × 3 = ☐	
2	10 × 3 = ☐	
3	100 × 3 = ☐	
4	1000 × 3 = ☐	
5	10 × 6 = ☐	
6	100 × 6 = ☐	
7	1000 × 6 = ☐	
8	10 × 7 = ☐	
9	100 × 7 = ☐	
10	1000 × 7 = ☐	
11	10 × 12 = ☐	
12	100 × 12 = ☐	
13	100 × 15 = ☐	
14	3 × 3 = ☐	
15	3 × 6 = ☐	
16	4 × 3 = ☐	
17	3 × 7 = ☐	
18	3 × 9 = ☐	
19	3 × 8 = ☐	
20	3 × 11 = ☐	
21	12 × 3 = ☐	
22	13 × 3 = ☐	
23	14 × 3 = ☐	
24	15 × 3 = ☐	
25	20 × 3 = ☐	

	NumberSense Book 9: Page 44	Answers
1	5 + 5 = ☐	
2	4 + 5 = ☐	
3	3 + 7 = ☐	
4	2 + 5 = ☐	
5	4 + 3 = ☐	
6	7 + 2 = ☐	
7	3 + 6 = ☐	
8	4 + 6 = ☐	
9	5 + 6 = ☐	
10	10 + 5 = ☐	
11	11 + 5 = ☐	
12	11 + 12 = ☐	
13	14 + 15 = ☐	
14	12 + 16 = ☐	
15	10 + 4 = ☐	
16	9 + 4 = ☐	
17	19 + 4 = ☐	
18	19 + 14 = ☐	
19	16 + ☐ = 26	
20	16 + ☐ = 28	
21	28 + ☐ = 58	
22	28 + ☐ = 56	
23	28 + ☐ = 55	
24	8 + ☐ = 20	
25	8 + ☐ = 19	

	NumberSense Book 9: Page 45	Answers
1	3 + ☐ = 10	
2	3 + ☐ = 11	
3	3 + ☐ = 12	
4	3 + ☐ = 13	
5	6 + ☐ = 16	
6	5 + ☐ = 16	
7	4 + ☐ = 16	
8	10 + ☐ = 16	
9	9 + ☐ = 16	
10	8 + ☐ = 16	
11	2 + ☐ = 8	
12	2 + ☐ = 18	
13	2 + ☐ = 28	
14	12 + ☐ = 18	
15	12 + ☐ = 28	
16	8 + ☐ = 10	
17	8 + ☐ = 20	
18	8 + ☐ = 19	
19	8 + ☐ = 18	
20	8 + ☐ = 17	
21	8 + ☐ = 27	
22	18 + ☐ = 27	
23	18 + ☐ = 37	
24	28 + ☐ = 37	
25	28 + ☐ = 47	

	NumberSense Book 9: Page 46	Answers
1	1 × 11 = ☐	
2	2 × 11 = ☐	
3	4 × 11 = ☐	
4	6 × 11 = ☐	
5	5 × 11 = ☐	
6	3 × 11 = ☐	
7	7 × 11 = ☐	
8	6 × 11 = ☐	
9	8 × 11 = ☐	
10	9 × 11 = ☐	
11	10 × 11 = ☐	
12	2 × ☐ = 22	
13	3 × ☐ = 33	
14	6 × ☐ = 66	
15	11 × ☐ = 77	
16	11 × ☐ = 99	
17	11 × ☐ = 44	
18	11 × ☐ = 110	
19	10 × 11 = ☐	
20	2 × 11 = ☐	
21	12 × 11 = ☐	
22	10 × 11 = ☐	
23	3 × 11 = ☐	
24	13 × 11 = ☐	
25	14 × 11 = ☐	

	NumberSense Book 9: Page 47	Answers
1	5 + ☐ = 10	
2	50 + ☐ = 100	
3	10 + ☐ = 15	
4	100 + ☐ = 150	
5	15 + ☐ = 20	
6	150 + ☐ = 200	
7	200 + ☐ = 250	
8	250 + ☐ = 300	
9	350 - ☐ = 300	
10	300 - ☐ = 250	
11	150 - ☐ = 100	
12	100 - ☐ = 50	
13	25 + ☐ = 50	
14	125 + ☐ = 150	
15	35 + ☐ = 60	
16	45 + ☐ = 70	
17	55 + ☐ = 80	
18	75 + ☐ = 100	
19	175 + ☐ = 210	
20	20 + ☐ = 45	
21	30 + ☐ = 55	
22	50 + ☐ = 75	
23	150 + ☐ = 175	
24	100 + ☐ = 125	
25	200 + ☐ = 225	

	NumberSense Book 9: Page 48	Answers
1	10 + 5 = ☐	
2	15 + 15 = ☐	
3	30 + 15 = ☐	
4	45 + 15 = ☐	
5	60 + 15 = ☐	
6	75 + 15 = ☐	
7	90 + 15 = ☐	
8	105 + 15 = ☐	
9	120 + 15 = ☐	
10	135 + 5 = ☐	
11	170 + 10 = ☐	
12	180 + 5 = ☐	
13	195 + 10 = ☐	
14	205 + 5 = ☐	
15	200 + 5 = ☐	
16	215 + 5 = ☐	
17	220 + 5 = ☐	
18	285 + 5 = ☐	
19	260 + 5 = ☐	
20	295 + 5 = ☐	
21	2 × 15 = ☐	
22	4 × 15 = ☐	
23	8 × 15 = ☐	
24	5 × 15 = ☐	
25	7 × 15 = ☐	