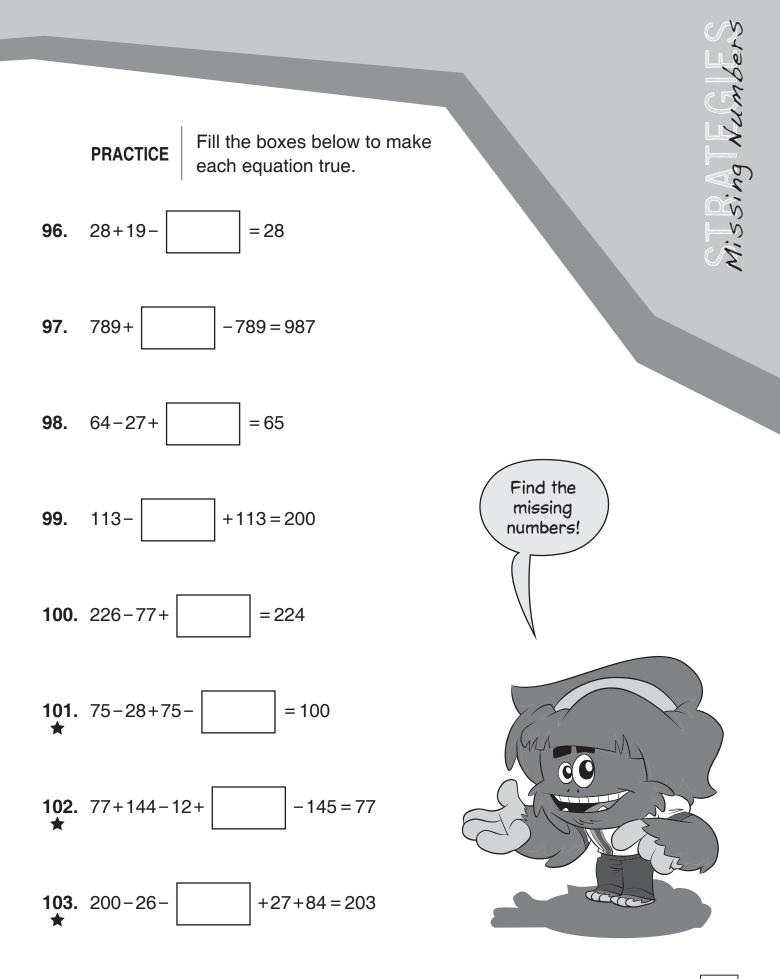


Subtracting 7 then subtracting 13 is the same as subtracting 20. Adding 75 then adding 25 is the same as adding 100.

So, 123-7+75-13+25 is equal to 123-20+100.

123 -7+75 -13+25 = 123 ( 20) (+ 100) Sometimes 103 + 100= it's easier to do 203. the addition all = at once and the subtraction all at once. PRACTICE Fill in the blanks to solve each problem below. 53-24-26+38 87. 65 - 8 + 35 - 288. 89. 125 + 47 - 123 + 53= 125 - 123 += 65 + 35 -= 53-+38 = = = 90. 50 - 12 + 20 - 1891. 92. 19 + 15 + 15 - 6 - 6200 - 38 + 700 - 122= 50 + 20 -= 200 + 700 -= 19+ = = = 93. 134-19+33-21+17 94. 7+81-11-33+9 95. 80-19-11+22+23 = 134-= 7+ = 80+ = = =

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In an **Equation Path** puzzle, the goal is to trace a path through the grid to create a true equation. Start in the top-left corner and end with the bottom-right number outside the grid.

- The path can only go up, down, left, or right. (No diagonals.)
- The path may not cross the same square twice.

		10
EXAMPLE	Solve the Equation Path puzzle on the right.	+3
		-2

To get from 10 to 60, we need to add a total of 60-10=50. To add 50, our path must cross +20 and +30. The other squares in our path must cancel.

The only way to do this is shown below.

10	+3	-3	
+3	+2	+20	
-2	+30	-2	= 60

We check our work:  $10 + 3 + 20 + 30 = 60. \checkmark$ 

**PRACTICE** Solve each Equation Path puzzle below.

104.

Equation Paths

15	+1	+1	
+1	+10	+1	
+10	+1	+10	= 28

105.	14	-1	-2	
·	+10	-2	-3	
	+20	+30	-4	=70

+3

+2

+30

-3

+20

-2

= 60

Sequation Paths

**PRACTICE** Solve each Equation Path puzzle below.

1

100	+17	-31	
+3	-5	+3	
+31	-17	-5	= 90

107.	26	+13	-25	
	-13	+25	+3	
	+3	+3	+3	= 32

08.	40	+2	-8	
·	-40	+8	+10	
	+10	-2	+40	= 90

109.	6	+2	-1	
	+8	-8	+4	
	-2	+16	-4	= 0

110.	49	-10	+22
	-10	-1	-1
	+22	-10	-10

= 50

111.	19	+2	+2	
	+2	+4	-6	
	-6	-6	-6	= 17