Name _____ Date _____

1 - What number is the "x" in these equations?

a) 5 + x = 50   b) 21 + x = 35

c) 12 + x = 46   d) 20 + 3 + x = 50

e) 13 + 4 + 5 + x = 78   f) 17 + x + 9 + 12 = 62

g) 8 + x = 13 + 10 + 14   h) 5 + 24 + x = 13 + 17

i) 12 + 3 + x = 26   j) x + 14 + 3 = 24

2 - What number is the "x" in these equations?

a) 7 - x = 3   b) 23 - x = 8

c) x - 12 = 34   d) 63 - x - 5 = 45

e) 22 - x - 5 = 12 - 2   f) 13 - 5 - x = 2 + 4

f) 14 - 10 - x = 1   g) x - 15 - 12 = 45

h) x - 12 - 7 = 14 - 3   i) 7 - x = 3 = 14 - 6

3 - Choose the expressions that illustrate each of these situations:

Tom bought 20 candy bars. He gave half to his brother and then some more to his friends. He had 3 in the end.

a) 20 + 10 + 3 = x	b) 20 - 10 - 3 = x	c) 20 - 10 - x = 3	d) 20 - x +10 = 3

Jane had five dolls. Her mother offered her two more. Her neighbor gave her a bag with more dolls. She had 15 dolls after that.

e) 5 + 2 + 15 = x	f) 5 + 2 = x - 15	g) 15 - 5 - x = 2	h) 5 - 2 + x = 15

4 - Write the equations that illustrate these operations, and then solve them:

a) Johnny bought a pack of milk bottles. He broke one and drank two. He had 9 bottles left. How many bottles were there in the pack?

_____

b) Mary had ten books. Someone stole some of them. If she was left with 6, how many books were stolen?

_____

c) Thomas and Lilly bought a computer game. They originally had $97 and they only had $19 after the purchase. How much was the computer game?

_____

d) Mr. Rodgers had a drawer full of scarves. He gave 8 to charity and still had 13 to wear. How many scarves did Mr Rodgers have originally?

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