(Suggested points per problem)

Name: ___Key___

3rd Grade: Unit 2 Pre-Test

Jessica collected 25 soda cans on Sunday and 17 on Monday. How many soda can does Jessica have?   3.OA.8
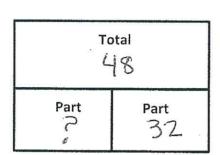
Which number model can be used to find the solution?

1pt 1)   17 + __7__ = 25   Yes   (No)

1pt 2)   25 - 17 = __7__   Yes   (No)

1pt 3)   25 + 17 = 42   (Yes)   No

1pt 4)   Devon came to school with 48 pencils. He gave some of his pencils away. He now has 32 pencils. How many pencils did he share with his friends?

3.OA.8

Total	
48	
Part	Part
?	32

1pt 5)   Write a number sentence: __48 - 32__   Answer:__16__

Which of the following number models have an answer of 185?   3.NBT.2

1pt 6) 100 + 50 + 25   Yes   (No)

1pt 7) 90 + 90 + 5   (Yes)   No

1pt 8) 200 – 10 - 5   (Yes)   No

9) **Find the sum.**   3.NBT.2

1pt

$$18 + 25 + 2 = \underline{45}$$

20

I added in this order: $\underline{18 + 2 + 25}$

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10) **Solve.** (Varies)   3.NBT.2

3pt

$$382 + 441 = \underline{823}$$

300 80 2   400 40 1

300 + 400 = 700
80 + 40 = 120
2 + 1 = + 3
‾‾‾‾‾
823

Explain the strategy you used to solve the problem.

I decomposed each number by place value then added each place value together. The sum is 823.

Complete the tables.   3.OA.9

11)

1pt

Rule:
+ 2

In	Out
8	10
38	40
68	70

12)

1pt

Rule:
- 5

In	Out
16	11
46	41
96	91

13)   **Write the next number in the pattern.**   3.OA.9

1 pt.

18, 22, 26, 30, __34__

Explain the pattern. The pattern is to add 4.

Addition Chart: 3.OA.9

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

2 pt.

14) Explain what is always true about the sum when adding an even and an odd number together.

When adding an even and odd number together, the sum will always be an odd number.

2 pt.

15) What is always true about the sum when you add 2 odd numbers together?

When adding 2 odd numbers together, the sum will always be an even number.