Year 3 Addition Algorithms - Worksheet 1

Question 1: Add 2-digit numbers in columns (no carry)

34 + 32 ———	54 + 12 ———	26 + 23 ———	43 + 45 ———
74 + 13 ———	84 + 14 ———	24 + 42 ———	46 + 21 ———
64 + 22 ———	73 + 16 ———	47 + 52 ———	63 + 23 ———
13 + 84 ———	35 + 61 ———	72 + 11 ———	53 + 46 ———

12 + 08 ___	43 + 07 ___	36 + 04 ___	59 + 01 ___
64 + 16 ___	35 + 15 ___	78 + 12 ___	87 + 13 ___
56 + 24 ___	47 + 33 ___	65 + 25 ___	56 + 34 ___
66 + 24 ___	59 + 21 ___	31 + 49 ___	42 + 28 ___

Question 3: Write the following in the column and find the sum.

12 + 35	45 + 52	32 + 27	44 + 44
36 + 34	74 + 16	53 + 27	75 + 15
63 + 34	57 + 33	29 + 51	15 + 74
36 + 54	25 + 64	24 + 55	56 + 33

Question 4: Find the missing numbers (adding to complete 100)

__ + 20 = 100	50 + __ = 100	40 + __ = 100
__ + 60 = 100	__ + 10 = 100	30 + __ = 100
__ + 65 = 100	__ + 15 = 100	45 + __ = 100
75 + __ = 100	__ + 25 = 100	85 + __ = 100
__ + 35 = 100	43 + __ = 100	94 + __ = 100
23 + __ = 100	66 + __ = 100	__ + 34 = 100
76 + __ = 100	__ + 21 = 100	18 + __ = 100

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Answer Key

Question 1: Add 2-digit numbers in columns (no regrouping)

34 + 32 **66**	54 + 12 **66**	26 + 23 **49**	43 + 45 **88**
74 + 13 **87**	84 + 14 **98**	24 + 42 **66**	46 + 21 **67**
64 + 22 **86**	73 + 16 **89**	47 + 52 **99**	63 + 23 **86**
13 + 84 **97**	35 + 61 **96**	72 + 11 **83**	53 + 46 **99**

Question 2: Addition of Tens within 100

12 + 08 **20**	43 + 07 **50**	36 + 04 **40**	59 + 01 **60**
64 + 16 **80**	35 + 15 **50**	78 + 12 **90**	77 + 13 **90**
56 + 24 **80**	47 + 33 **80**	65 + 25 **90**	56 + 34 **90**
66 + 24 **90**	59 + 21 **80**	31 + 49 **80**	42 + 28 **70**

Question 3: Write the following in the column and find the sum.

12 + 35 12 + 35 **47**	45 + 52 45 + 52 **97**	32 + 27 32 + 27 **59**	44 + 44 44 + 44 **88**
36 + 34 36 + 34 **70**	74 + 16 74 + 16 **90**	53 + 27 53 + 27 **90**	75 + 15 75 + 15 **90**
63 + 34 63 + 34 **97**	57 + 33 57 + 33 **90**	29 + 51 29 + 51 **80**	15 + 74 15 + 74 **89**
36 + 54 36 + 54 **90**	25 + 64 25 + 64 **89**	24 + 55 24 + 55 **79**	56 + 33 56 + 33 **89**

Question 4: Find the missing numbers (adding to complete 100)

80+ 20 = 100	50 + **50**= 100	40 + **60**= 100
40+ 60 = 100	**90**+ 10 = 100	30 + **70**= 100
35+ 65 = 100	**85**+ 15 = 100	45 + 5**5**= 100
75 + **25**= 100	**75**+ 25 = 100	85 + **15**= 100
65+ 35 = 100	43 + **57**= 100	94 + **6**= 100
23 + **77**= 100	66 + **34**= 100	**66**+ 34 = 100
76 + **24**= 100	**79**+ 21 = 100	18 + **82**= 100