ABACUS LEVEL 4 WORKSHEET

Focus: Big Friends / Small Friends Combination & 2-Digit Mental Arithmetic

Name:	Date:
Time:	Score: / 40

Big Friends (+10 / -10)

+9 = -1 +10 | -9 = +1 -10
+8 = -2 +10 | -8 = +2 -10
+7 = -3 +10 | -7 = +3 -10

Big Friends (Cont.)

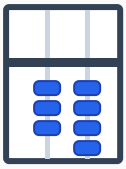
+6 = -4 +10 | -6 = +4 -10
+5 = -5 +10 | -5 = +5 -10
+4 = -6 +10 | -4 = +6 -10

Combination Formulas

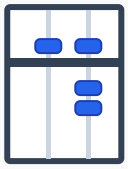
+6 = +1 -5 +10 | -6 = -1 +5 -10
+7 = +2 -5 +10 | -7 = -2 +5 -10
+8 = +3 -5 +10 | -8 = -3 +5 -10

SECTION A: Read the Abacus Bead Values

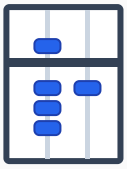
Q1



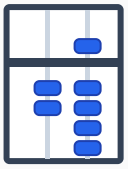
Q2



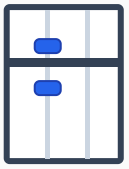
Q3



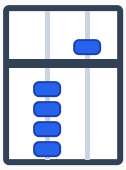
Q4



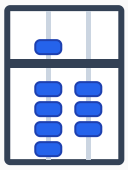
Q5



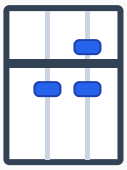
Q6



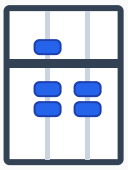
Q7



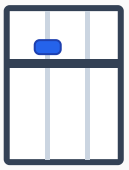
Q8



Q9



Q10



SECTION B: 2-Digit 3-Row Abacus Addition & Subtraction

11.	12.	13.	14.	15.	16.
24 +18 +15	56 -23 +19	43 +27 -15	68 +14 -32	35 +45 -26	82 -46 +27
17.	**18.**	**19.**	**20.**	**21.**	**22.**
19 +38 +24	71 -39 +18	50 -16 +37	29 +43 -18	64 +28 -45	93 -57 +26

SECTION C: 2-Digit 4-Row Advanced Combination Practice

23.	24.	25.	26.	27.	28.
15	48	72	33	60	81
+26	-19	-36	+47	-24	-45
+37	+25	+14	-28	+38	+29
-18	+32	-25	+16	-19	-37
____	____	____	____	____	____

SECTION D: Speed Drill (Target Time: 3 Minutes)

28 + 17 = ____	63 - 29 = ____	45 + 36 = ____	91 - 47 = ____
52 + 28 = ____	84 - 38 = ____	19 + 64 = ____	70 - 23 = ____
37 + 45 = ____	66 - 18 = ____	24 + 59 = ____	80 - 35 = ____

ANSWER KEY (For Instructor/Parent Use)

Section A: 1) 34 | 2) 57 | 3) 81 | 4) 29 | 5) 60 | 6) 45 | 7) 93 | 8) 16 | 9) 72 | 10) 50
Section B: 11) 57 | 12) 52 | 13) 55 | 14) 50 | 15) 54 | 16) 63 | 17) 81 | 18) 50 | 19) 71 | 20) 54 | 21) 47 | 22) 62
Section C: 23) 60 | 24) 86 | 25) 25 | 26) 68 | 27) 55 | 28) 28
Section D: 45 | 34 | 81 | 44 | 80 | 46 | 83 | 47 | 82 | 48 | 83 | 45