

Arrow Chains

Advanced — ANSWER KEY

Six boxes now — stay careful all the way across.

Think: Longer chains flip direction often. Check each pair: bigger means +, smaller means −.

1. Fill each arrow with the operation (+ or −) that makes the chain work.

1)	20	+ 55	75	+ 64	139	+ 50	189	+ 4	193	− 8	185
2)	52	+ 43	95	− 3	92	+ 11	103	+ 68	171	− 58	113
3)	30	+ 19	49	− 37	12	+ 38	50	− 26	24	− 7	17
4)	17	− 7	10	− 5	5	+ 28	33	+ 78	111	− 43	68
5)	0	+ 63	63	+ 48	111	+ 36	147	− 35	112	+ 77	189
6)	27	− 6	21	− 3	18	− 13	5	− 2	3	+ 46	49
7)	91	− 39	52	− 12	40	+ 14	54	+ 32	86	− 17	69
8)	104	− 53	51	− 40	11	+ 81	92	+ 52	144	− 56	88
9)	41	+ 12	53	− 34	19	− 3	16	+ 70	86	+ 7	93