

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)	22	+ 53 →	75	+ 60 →	135	– 13 →	122	+ 19 →	141	– 58 →	83
2)	21	– 10 →	11	+ 30 →	41	+ 63 →	104	– 78 →	26	– 6 →	20
3)	24	+ 87 →	111	+ 38 →	149	+ 24 →	173	– 75 →	98	– 62 →	36
4)	8	+ 10 →	18	– 9 →	9	– 6 →	3	+ 77 →	80	+ 73 →	153
5)	27	+ 88 →	115	– 84 →	31	– 17 →	14	+ 41 →	55	+ 20 →	75
6)	35	– 16 →	19	+ 24 →	43	– 18 →	25	– 16 →	9	+ 28 →	37
7)	64	– 50 →	14	– 8 →	6	+ 40 →	46	+ 60 →	106	+ 24 →	130
8)	41	– 25 →	16	+ 72 →	88	+ 21 →	109	– 12 →	97	– 46 →	51
9)	12	+ 46 →	58	+ 89 →	147	– 54 →	93	+ 52 →	145	+ 41 →	186