

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)

 $\xrightarrow{+78}$

 $\xrightarrow{+63}$

 $\xrightarrow{-29}$

 $\xrightarrow{+22}$

 $\xrightarrow{+41}$
- 2)

 $\xrightarrow{-39}$

 $\xrightarrow{+36}$

 $\xrightarrow{+26}$

 $\xrightarrow{+90}$

 $\xrightarrow{+40}$
- 3)

 $\xrightarrow{+81}$

 $\xrightarrow{+30}$

 $\xrightarrow{-18}$

 $\xrightarrow{+23}$

 $\xrightarrow{+54}$
- 4)

 $\xrightarrow{-13}$

 $\xrightarrow{+31}$

 $\xrightarrow{+54}$

 $\xrightarrow{+73}$

 $\xrightarrow{+42}$
- 5)

 $\xrightarrow{-10}$

 $\xrightarrow{+18}$

 $\xrightarrow{-8}$

 $\xrightarrow{-8}$

 $\xrightarrow{+13}$
- 6)

 $\xrightarrow{-54}$

 $\xrightarrow{-8}$

 $\xrightarrow{-2}$

 $\xrightarrow{-2}$

 $\xrightarrow{+17}$
- 7)

 $\xrightarrow{+52}$

 $\xrightarrow{-54}$

 $\xrightarrow{+45}$

 $\xrightarrow{+65}$

 $\xrightarrow{-64}$
- 8)

 $\xrightarrow{+7}$

 $\xrightarrow{-17}$

 $\xrightarrow{-6}$

 $\xrightarrow{-2}$

 $\xrightarrow{+23}$
- 9)

 $\xrightarrow{+61}$

 $\xrightarrow{+65}$

 $\xrightarrow{+15}$

 $\xrightarrow{-21}$

 $\xrightarrow{+6}$