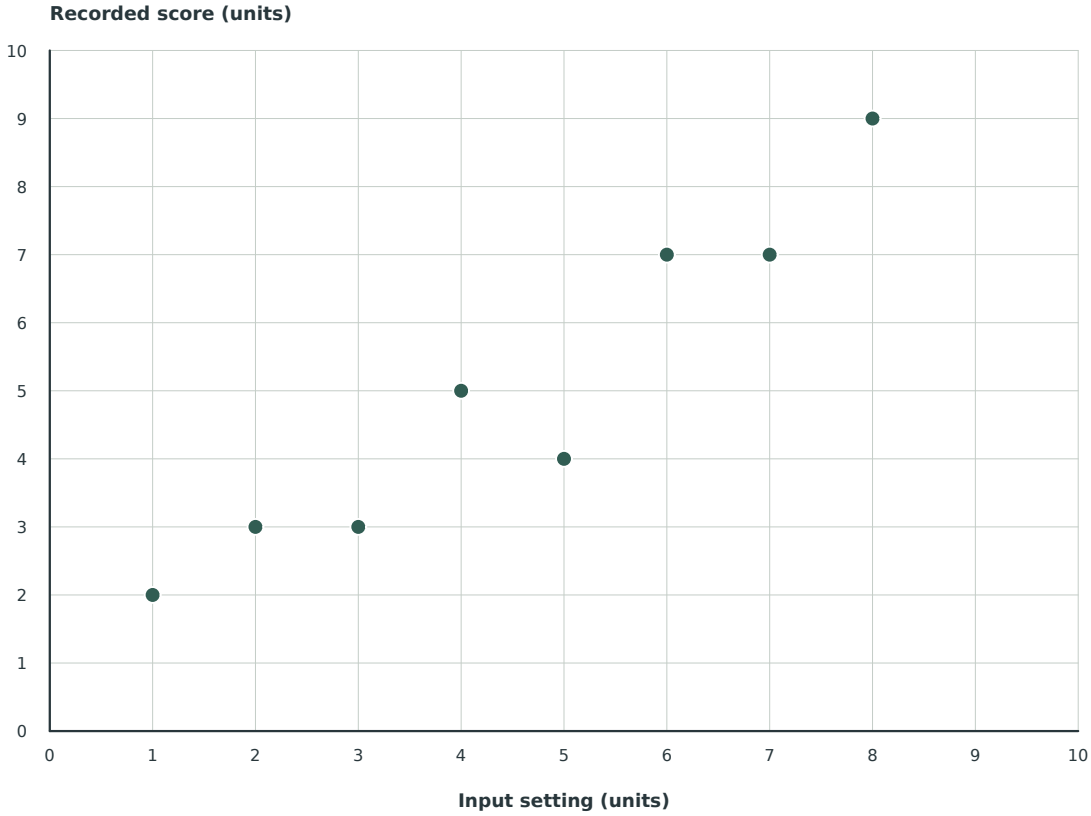
Rising paired values

Original fictional paired data. Plot each ordered pair once. Keep points unconnected; this exercise does not ask for a fitted line.

Pairs (input, score): (1, 2), (2, 3), (3, 3), (4, 5), (5, 4), (6, 7), (7, 7), (8, 9)



1. How many pairs? State the third pair. Eight pairs; the third pair is (3, 3).

2. Describe the overall linear pattern. positive association.

3. Does this plot prove a causal link? These are fictional observations. Association does not establish causation.

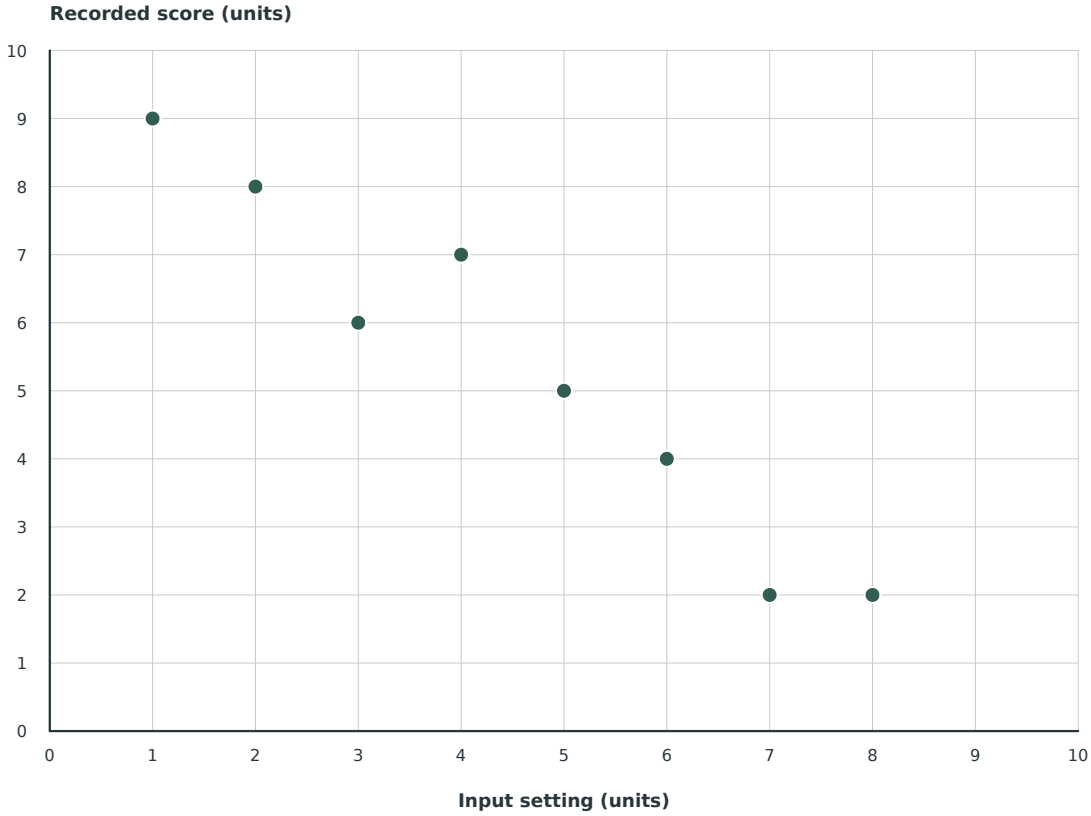
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

Falling paired values

Original fictional paired data. Plot each ordered pair once. Keep points unconnected; this exercise does not ask for a fitted line.

Pairs (input, score): (1, 9), (2, 8), (3, 6), (4, 7), (5, 5), (6, 4), (7, 2), (8, 2)



1. How many pairs? State the third pair. Eight pairs; the third pair is (3, 6).
2. Describe the overall linear pattern. negative association.
3. Does this plot prove a causal link? These are fictional observations. Association does not establish causation.

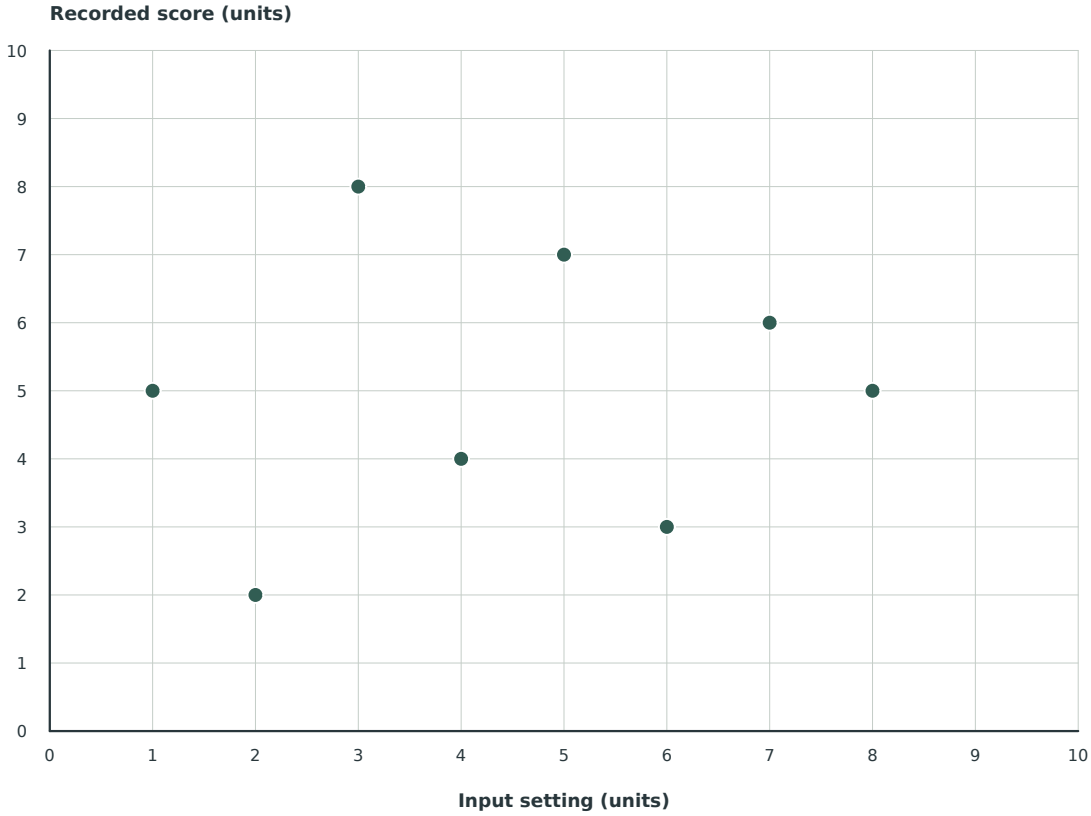
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

No clear straight-line trend

Original fictional paired data. Plot each ordered pair once. Keep points unconnected; this exercise does not ask for a fitted line.

Pairs (input, score): (1, 5), (2, 2), (3, 8), (4, 4), (5, 7), (6, 3), (7, 6), (8, 5)



1. How many pairs? State the third pair. Eight pairs; the third pair is (3, 8).

2. Describe the overall linear pattern. no clear linear association.

3. Does this plot prove a causal link? These are fictional observations. Association does not establish causation.

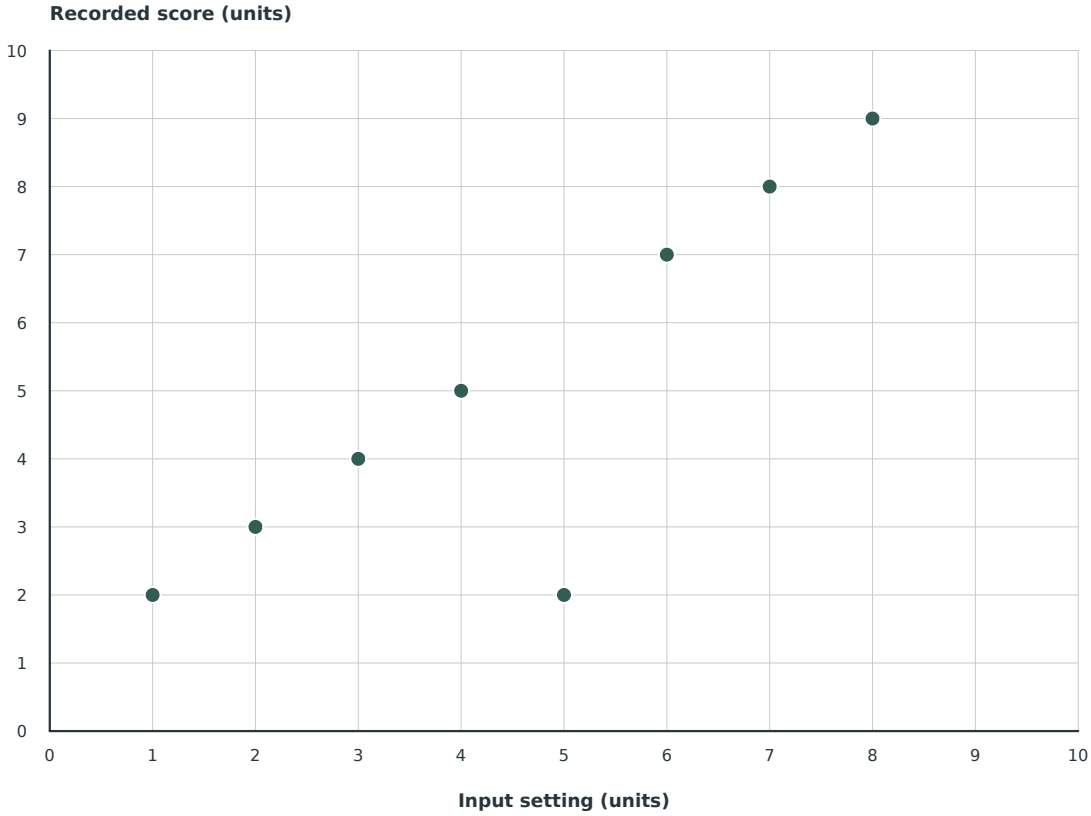
Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution

A rising pattern with an unusual point

Original fictional paired data. Plot each ordered pair once. Keep points unconnected; this exercise does not ask for a fitted line.

Pairs (input, score): (1, 2), (2, 3), (3, 4), (4, 5), (5, 2), (6, 7), (7, 8), (8, 9)



1. How many pairs? State the third pair. Eight pairs; the third pair is (3, 4).

2. Describe the overall linear pattern. positive pattern with one low point at (5,2).

3. Does this plot prove a causal link? These are fictional observations. Association does not establish causation.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

Zumola / CC BY 4.0 / Free to print, share and adapt with attribution