

ORDERING EVENTS ON A LIKELIHOOD LINE

- 0 is impossible, 5 is even chance and 10 is certain.
- Snow in July** almost never happens, so it sits at 0.
- A tossed **coin** has an even chance, so it sits at 5; **summer holidays** this year are certain, so they sit at 10.
- Clouds this week** are very likely but not sure, so they sit at 8 (nearer certain).



WARM-UP

Draw your own likelihood line across the squared space and label impossible, even chance and certain.

Sorting



- Draw a straight line across the page and write 'impossible' at the left end, 'even chance' in the middle, and 'certain' at the right end.
- Mark points for 'snow in Galway in July', 'a tossed coin shows heads', 'clouds appear this week' and 'summer will come this year' in the right order.
- Beside 'clouds appear this week' write one sentence saying why it sits nearer certain than the coin toss.

PRACTICE

- For a weather diary, decide where 'The sun will rise tomorrow morning' belongs on the likelihood line.



? ALWAYS, SOMETIMES, NEVER

Always true, sometimes true, or never true? Write A, S or N.

- The sun will rise tomorrow. ☐
- An event placed at the certain end of a likelihood line must happen. ☐
- Picking a red cube from a bag of 3 red and 1 blue is certain. ☐
- Landing on a colour is certain when every part of a spinner is coloured. ☐

REFLECT

Which events were hardest to place on the line, and why were they close together?