Parent guide and answers

Name: _____ Date: _____

Sides and corners

Triangle: 3 sides and 3 corners. Rectangle: 4 and 4. Pentagon: 5 and 5. Hexagon: 6 and 6. Turning a shape does not change these counts.

Two sides, the same value

From top: 1, 2, 2. Both sides total 5, then 7, then 8. The equals sign does not mean that an answer must only appear on the right.

Two routes on a grid

Route A: 4 units. Route B: 6 units. B is 2 units longer. Count gaps, not dots. Each segment between neighbouring dots is one unit.

Living things and made objects

A growing tree and a cat: living now. A dry fallen leaf and a wooden spoon: once part of living things. A stone and a metal spoon: non-living, not once living parts. Movement alone does not define life; a plant is living even though it does not walk.

Makes light or reflects it?

A lit lamp: light source. The Moon: reflects sunlight. An ordinary mirror: reflects light. A source can also reflect some light; the distinction here is whether it emits its own visible light. No practical test or Sun viewing.

What evidence do we need?

Measure from the same starting point; count knocks in both descriptions; inspect the sequence. Evidence needs to address the question. These are hypothetical situations; no recordings or devices are needed.

Choose by skill, not age alone. Read the instructions together. The senses and materials tasks here are paper-based thinking, not practical experiments.