Full, Half Full and Empty

Adult discussion guide. Read the short instructions aloud.

1. Empty: the right-hand jar

No water lines are drawn inside the third jar. The first jar is full and the middle jar is half full. The jars are identical.

2. Half full: the middle jar

The water reaches the middle of the second jar. The first jar is empty and the third jar is full. Position changes between rows so the answer cannot be copied by place alone.

3. Draw a full jar; 4. Draw a half-full jar

For number 3, accept a water line just below the top inside the outline. For number 4, accept a line near the middle. These are drawings, not precision measurements. Extra water lines or light shading below the surface are optional.

Talk about what is changing

Point to the amount of water, rather than the size of the container. Full and empty describe how much is in this jar. Half full means half its capacity; the straight-sided equal jars make the middle-height model appropriate.

Keep it short

This is an adult-supported picture activity. Use spoken answers or pointing if marking is difficult. No real water, pouring or equipment is required.