

Spatial Reasoning Instrument

Scoring Key

Item	Answer	Sub-Construct
1	B	Mental Rotation
2	A	Spatial Orientation
3	C	Spatial Visualization
4	C	Mental Rotation
5	B	Spatial Orientation
6	C	Spatial Visualization
7	A	Mental Rotation
8	C	Spatial Orientation
9	C	Spatial Visualization
10	B	Mental Rotation
11	A	Spatial Orientation
12	A	Spatial Visualization
13	A	Mental Rotation
14	C	Spatial Orientation
15	C	Spatial Visualization
16	D	Mental Rotation
17	B	Spatial Orientation
18	C	Spatial Visualization
19	C	Mental Rotation
20	B	Spatial Orientation
21	B	Spatial Visualization
22	C	Mental Rotation
23	C	Spatial Orientation
24	D	Spatial Visualization
25	B	Mental Rotation
26	A	Spatial Orientation
27	D	Spatial Visualization
28	D	Mental Rotation
29	A	Spatial Orientation
30	A	Spatial Visualization

Total score out of 30.

Each sub-construct score out of 10:

Mental Rotation

Spatial Orientation

Spatial Visualization

Reference:

Ramful, A., Lowrie, T., & Logan, T. (2017). Measurement of spatial ability: Construction and validation of the spatial reasoning instrument for middle school students. *Journal of Psychoeducational Assessment*, 35(7), 709-727.