

Training Examples

Video-R1

*General (video & image) - perception
Chart, Math Spatial Relations*



Zebra-COT

A jigsaw puzzle shows a picture of pandas but has several missing pieces ...



*Let's think
by fitting
first image*

*Reasoning
Image 1*



SAT

Q: For someone at "X" facing left by 90 deg, will the armchair (mark 4) be to their left or right?



Benchmark Examples

BLINK Jigsaw



Which is the missing part in the first image?



VSI - Relative Direction

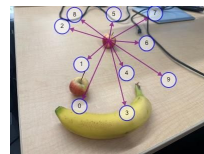
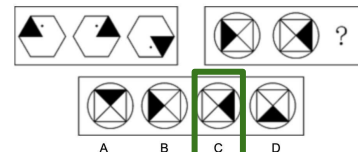


If I am standing by the stove and facing the refrigerator, is the table to my front-left, front-right, back-left, or back-right?

Reasoning

Harder OOD Examples

BLINK IQ Test

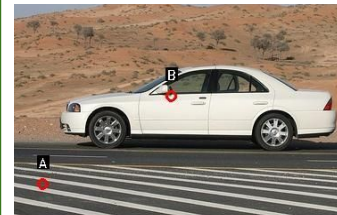


ERQA

The person is trying to make a smiley face out of the fruits Which direction should the person move the fruit?

Perception

BLINK Relative Depth



Which point is closer to the camera?

VSI - Object Size



What is the length of the longest dimension of the sofa, measured in cm?