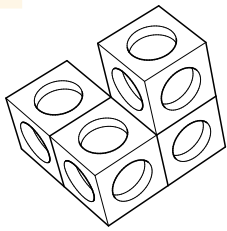


In some areas, non-verbal reasoning test papers may also include questions on 3-D shapes. You will be asked to look at a set of 3-D shapes, then identify whether a second set of 3-D shapes are rotations of the first set.

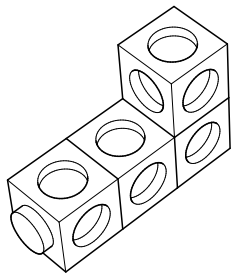
You need to picture parts of the shape moved into different positions. Look at the shape of the faces. What would they look like if they were rotated 90°, or 180°? What would the back of the shape look like if it were turned to face the front?

To start with, try creating shapes using interlocking cubes. Turn them around to see what they look like from different angles. Have a go at some of the following.

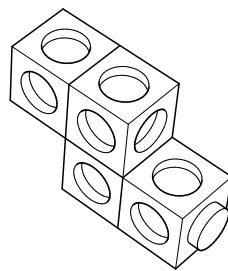
A



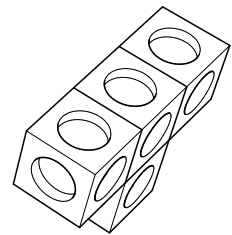
a



b



c

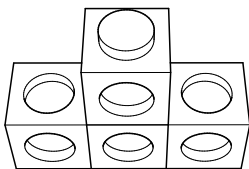


d

The shapes below are rotations of the shapes above.

Match them to the appropriate letter.

1.



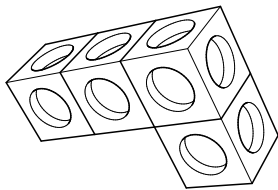
a

b

c

d

2.



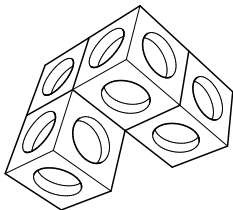
a

b

c

d

3.



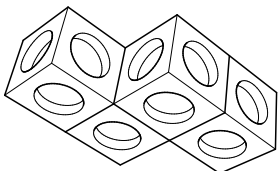
a

b

c

d

4.



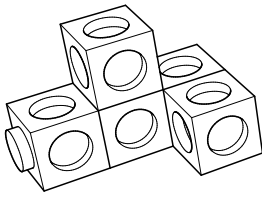
a

b

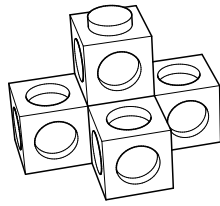
c

d

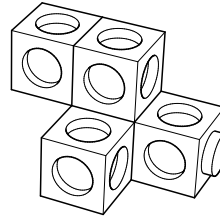
B



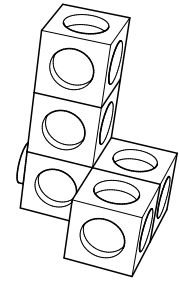
a



b



c

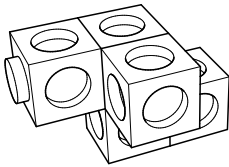


d

The shapes below are rotations of the shapes above.

Match them to the appropriate letter.

1.



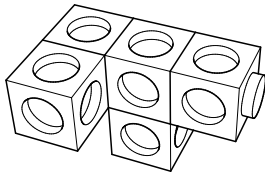
a

b

c

d

2.



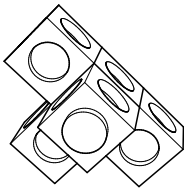
a

b

c

d

3.



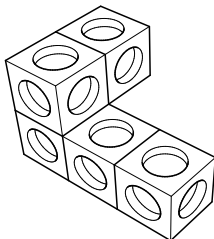
a

b

c

d

4.



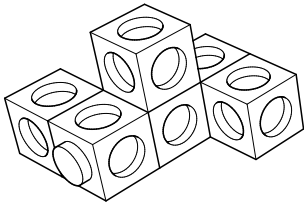
a

b

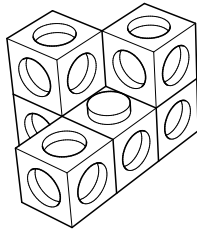
c

d

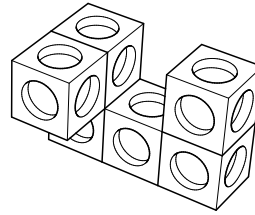
C



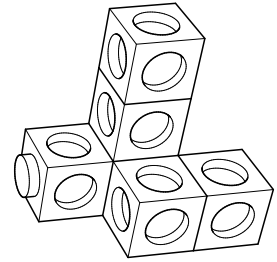
a



b



c

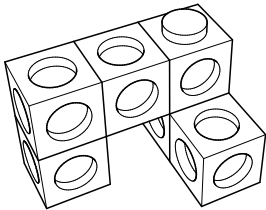


d

The shapes below are rotations of the shapes above.

Match them to the appropriate letter.

1.



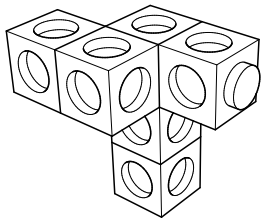
a

b

c

d

2.



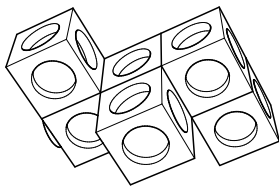
a

b

c

d

3.



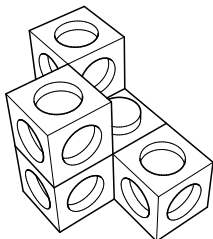
a

b

c

d

4.



a

b

c

d