Describing Three-Dimensional Shapes

In Focus

The edges of the box are lines.
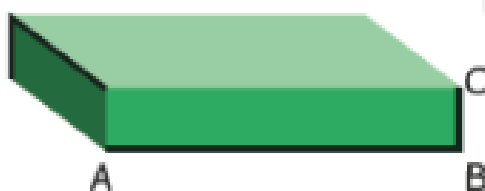Describe the edges.

Let's Learn

1 How many edges does a cuboid have?

A cuboid has 12 edges.

2 Look for perpendicular lines.

These two lines are perpendicular.

AB is perpendicular to BC.

Are there more pairs of perpendicular lines?

A   B   C

3 Look for parallel lines.

These lines
are parallel.

Look for
other pairs of
parallel lines.

AB and DC
are parallel.

D   C

A   B

4 The box sits on a table.
Are there vertical lines?

These are vertical lines.
Are there only three
vertical lines?

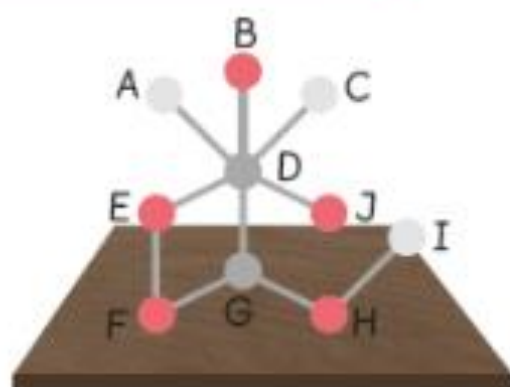**5** The box sits on a table.
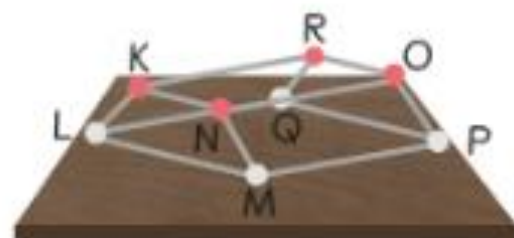Are there horizontal lines?

This is a
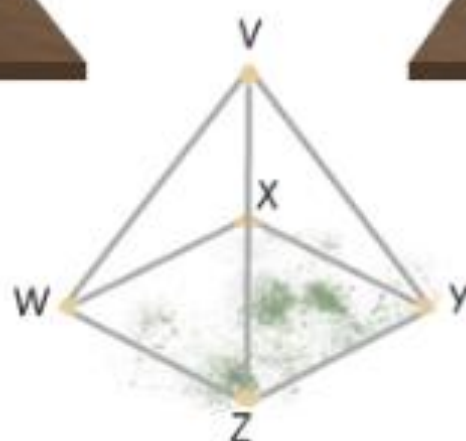horizontal line.

How many horizontal lines does the box have?

Object 1

Object 2

Object 3

1 Name two horizontal lines in each object.

Object 1: ▢ and ▢

Object 2: ▢ and ▢

Object 3: ▢ and ▢

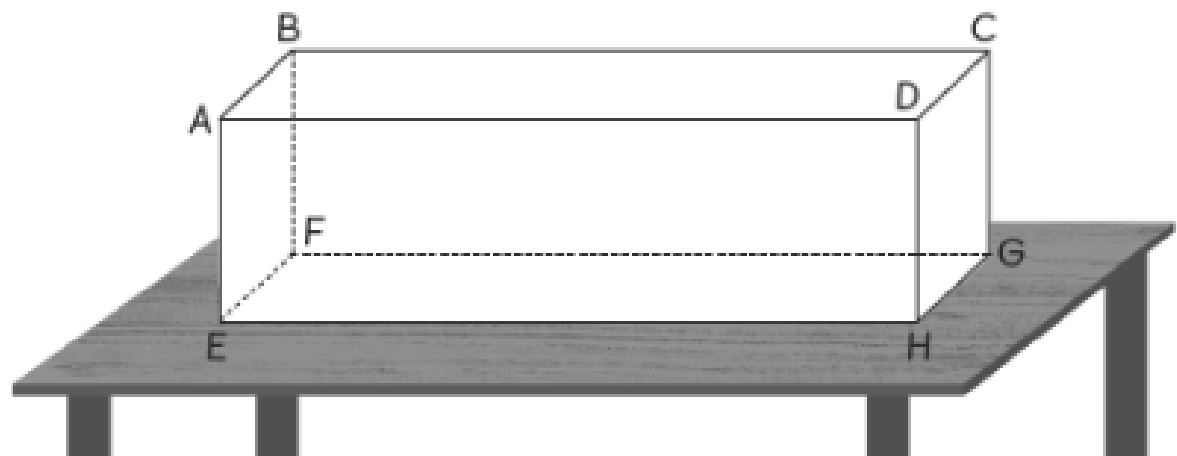**2** (a) Which objects have vertical lines? ▢

(b) Name three vertical lines in that object.

▢ , ▢ , ▢

Worksheet 8

Describing Three-Dimensional Shapes

1 The figure below is a cuboid.

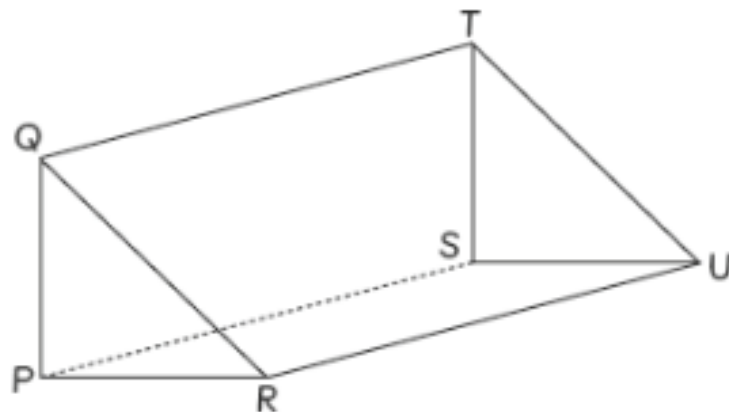(a) Name all the horizontal and vertical lines in the shape above.

Horizontal lines:

Vertical lines:

(b) _____ is perpendicular to _____ .

(c) _____ is parallel to _____ .

2 The figure below is a prism.

(a) List all the pairs of parallel lines.

(b) The line QP is perpendicular to three lines. Which three lines?

(c) How many edges does the shape have?