

## EXERCISE 5.2

Write whether the following statements are True or False? Justify your answer:

1. Euclidean geometry is valid only for curved surfaces.

**Solution:**

False

Justification:

The statement "Euclidean geometry is valid only for curved surfaces" is false because Euclidean geometry is valid only for the figures in the plane but on the curved surfaces it fails.

2. The boundaries of the solids are curves.

**Solution:**

False

Justification:

The statement "the boundaries of the solids are curves" is false because the boundaries of the solids are surfaces.

3. The edges of a surface are curves.

**Solution:**

False

Justification:

The statement "the edges of a surface are curves" is false because the edges of surfaces are lines.

4. The things which are double of the same thing are equal to one another.

**Solution:**

True

Justification:

The statement "the things which are double of the same thing are equal to one another" is true since, it is one of the Euclid's axiom.

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