

OBJECTIVE TYPE QUESTIONS

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Mark the correct alternative in each of the following:**1. A circle of radius r cm has diameter of length**

- (a) r cm
- (b) $2r$ cm
- (c) $4r$ cm
- (d) $r/2$ cm

Solution:

The option (b) is the correct answer.

A circle of radius r cm has diameter of length $2r$ cm.**2. A chord of a circle passing through its centre is equal to its**

- (a) radius
- (b) diameter
- (c) circumference
- (d) none of these

Solution:

The option (b) is the correct answer.

A chord of a circle passing through its centre is equal to its diameter.

3. The total number of diameters of a circle is

- (a) 1
- (b) 2
- (c) 4
- (d) uncountable number

Solution:

The option (d) is the correct answer.

The total number of diameters of a circle is uncountable number.

4. By joining any two points on a circle, we obtain its

- (a) radius
- (b) diameter
- (c) chord
- (d) circumference

Solution:

The option (c) is the correct answer.

By joining any two points on a circle, we obtain its chord.

5. The longest chord of a circle is equal to its

- (a) radius
- (b) diameter
- (c) circumference
- (d) perimeter

Solution:

The option (b) is the correct answer.
The longest chord of a circle is equal to its diameter.

6. How many circles can be drawn to pass through two given points?

- (a) 1
- (b) 2
- (c) 0
- (d) As many as possible

Solution:

The option (d) is the correct answer.
Many circles can be drawn to pass through two given points.

7. How many circles can be drawn to pass through three non-collinear points?

- (a) 1
- (b) 2
- (c) 0
- (d) As many as possible

Solution:

The option (a) is the correct answer.
Only 1 circle can be drawn to pass through three non-collinear points.