

Medium

DGVCL Vidyut Sahayak JE (Electrician) 2024

XYZ is a right-angled triangle, angle Z is a right angle. If XY = 15 cm and XZ = 9 cm, find the length of the hypotenuse YZ.

- A

14
- B

15
- C

10
- D

12

Correct

Correct Answer: D

Full Detailed Explanation

XYZ is a right-angled triangle, angle Z is a right angle. If XY = 15 cm and XZ = 9 cm, find the length of the hypotenuse YZ.

$YZ = \sqrt{XY^2 - XZ^2} = \sqrt{15^2 - 9^2} = \sqrt{144} = 12$ cm.

Open live question on website:

<https://sarkariresultout.com/pyq/hi/question/in-triangle-xyz-angle-z-is-a-right-angle-if-xy-15-cm-and/>