



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. In circle O, if the radius is 5 cm, what is the circumference?

- A. 10π cm
- B. 15π cm
- C. 20π cm
- D. 25π cm

Solution: Circumference of a circle is given by $C = 2\pi r$. Therefore, $C = 2\pi(5) = 10\pi$ cm.

Q2. In triangle JKL, if JK = 6 cm, KL = 8 cm, and JL = 10 cm, is triangle JKL a right triangle?

- A. Yes
- B. No
- C. Cannot be determined
- D. Only if angle K is 90 degrees

Solution: By the Pythagorean theorem, if $JK^2 + KL^2 = JL^2$, then it is a right triangle. $6^2 + 8^2 = 36 + 64 = 100 = 10^2$.



