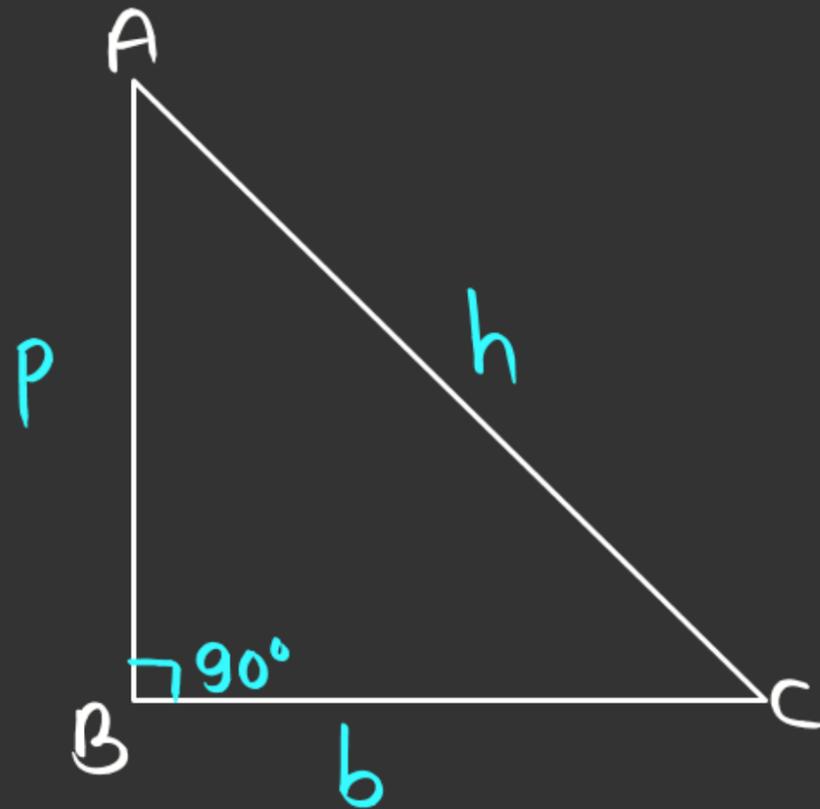


D.I

- ① pie-chart
- ② Table graph
- ③ Line-graph
- ④ Bar-graph

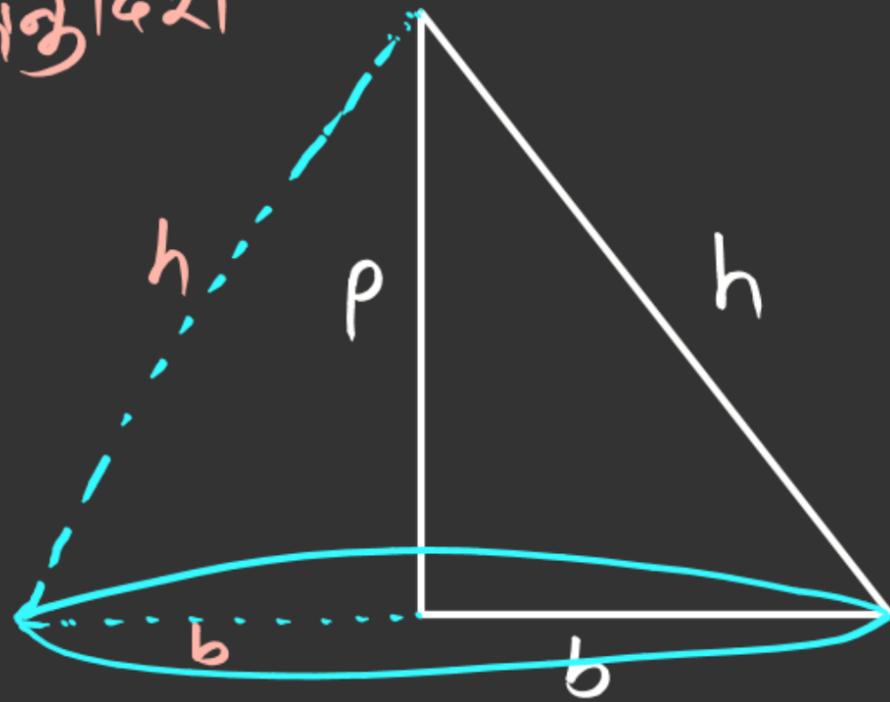
समकोण Δ



$$p^2 + b^2 = h^2$$

Note: →

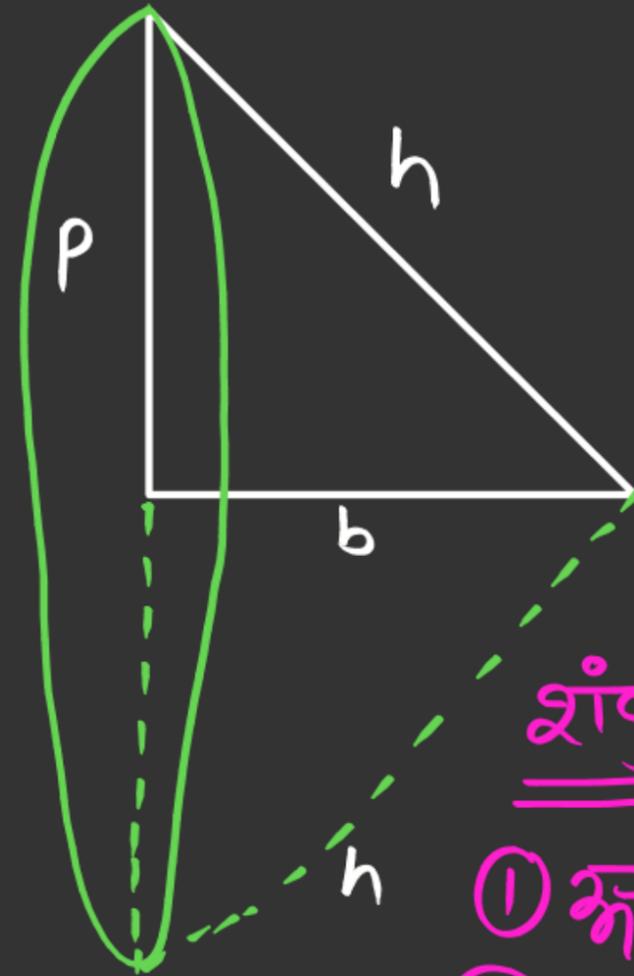
① मम्ब के अनुदिश



शंकु

- ① अर्ध्याड =  $p$
- ② त्रिज्या ( $r$ ) =  $b$
- ③ तिर्यक अर्ध्याड ( $l$ ) =  $h$  (कर्ण)

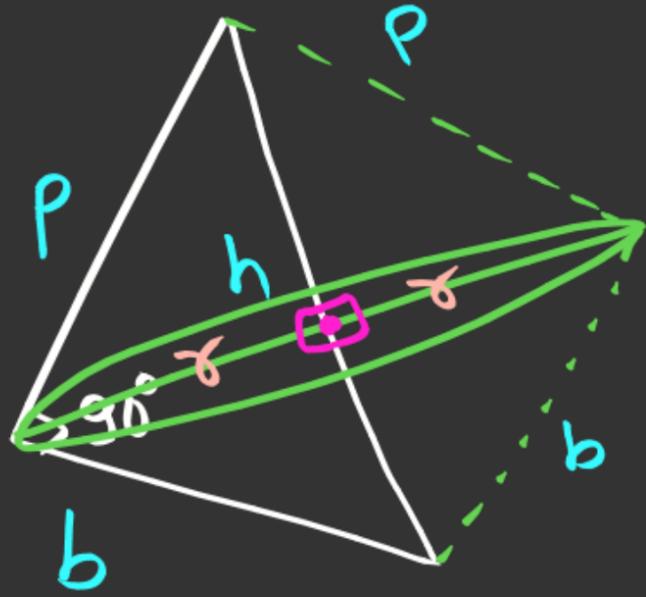
② आधार के परितः



शंकु

- ① अर्ध्याड =  $b$
- ② त्रिज्या =  $p$
- ③ तिर्यक अर्ध्याड = कर्ण ( $h$ )

iii) कर्ण के परिणः

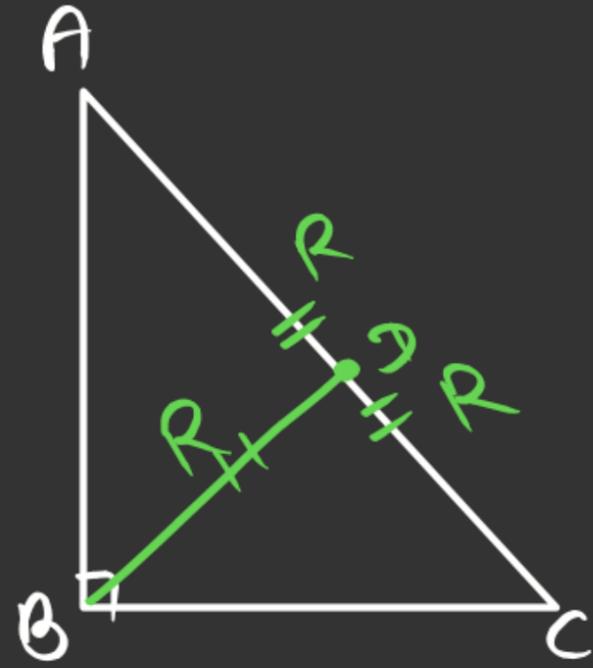


$$r = \frac{p \times b}{h}$$

आयतन =  $\frac{1}{3} \pi r^2 \times \text{कर्ण}$

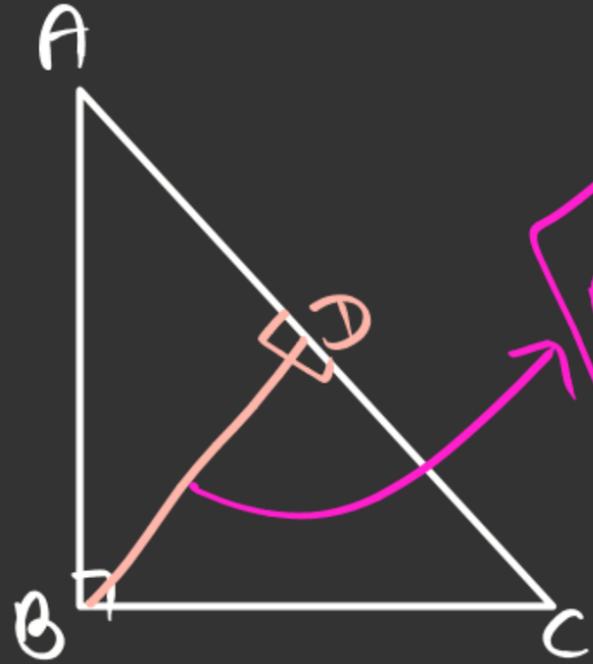
8

i

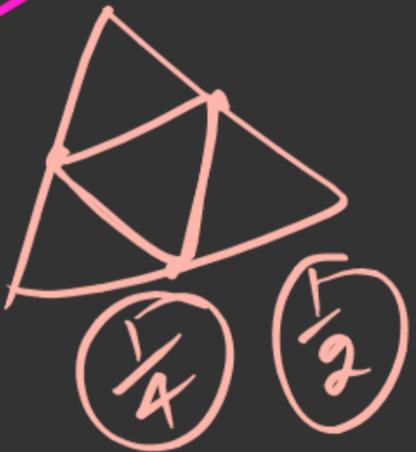


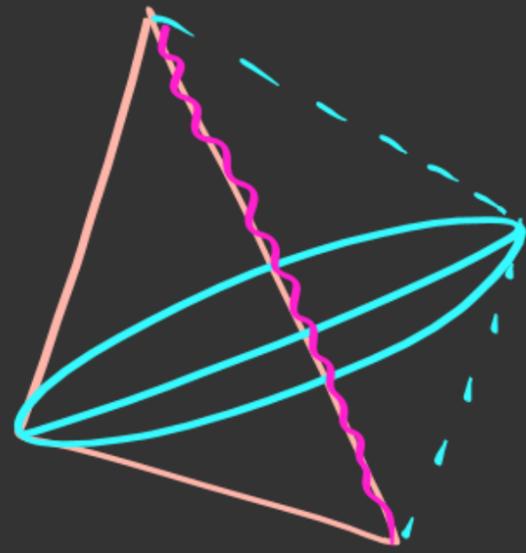
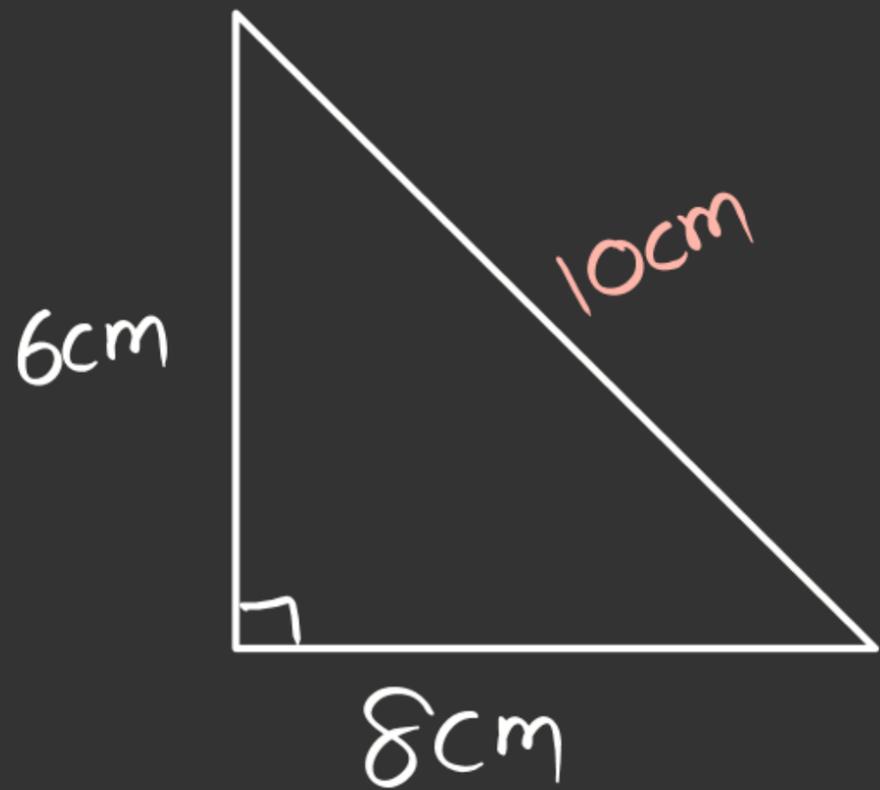
$$R = \frac{h}{2}$$

ii



$$BD = \frac{AB \times BC}{AC}$$

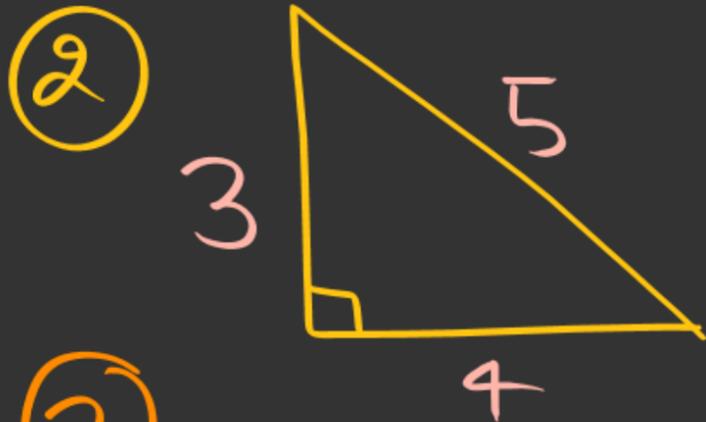




$$V = \frac{1}{3} \pi r^2 \times h$$

$$r = \frac{p \times b}{h} = \frac{6 \times 8}{10} = \frac{24}{5}$$

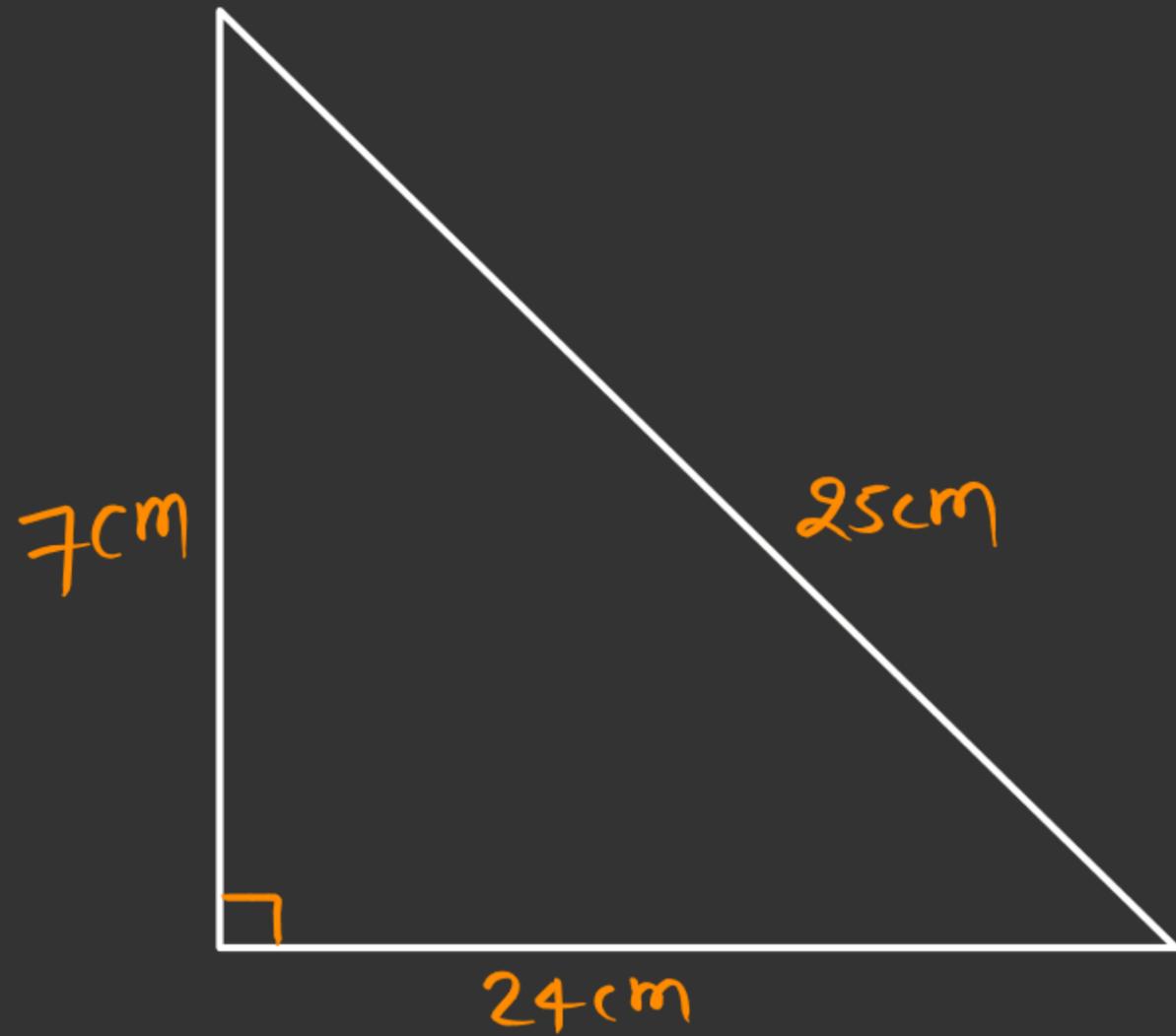
$$= \frac{1}{3} \pi \times \frac{576}{25} \times 10 = \frac{384}{5} \pi = 76.8 \pi$$



$$r = \frac{3 \times 4}{5} = \frac{12}{5}$$

$$V = \frac{1}{3} \pi \times \frac{144}{25} \times 5 = 9.6 \pi \text{ cm}^3$$

③.

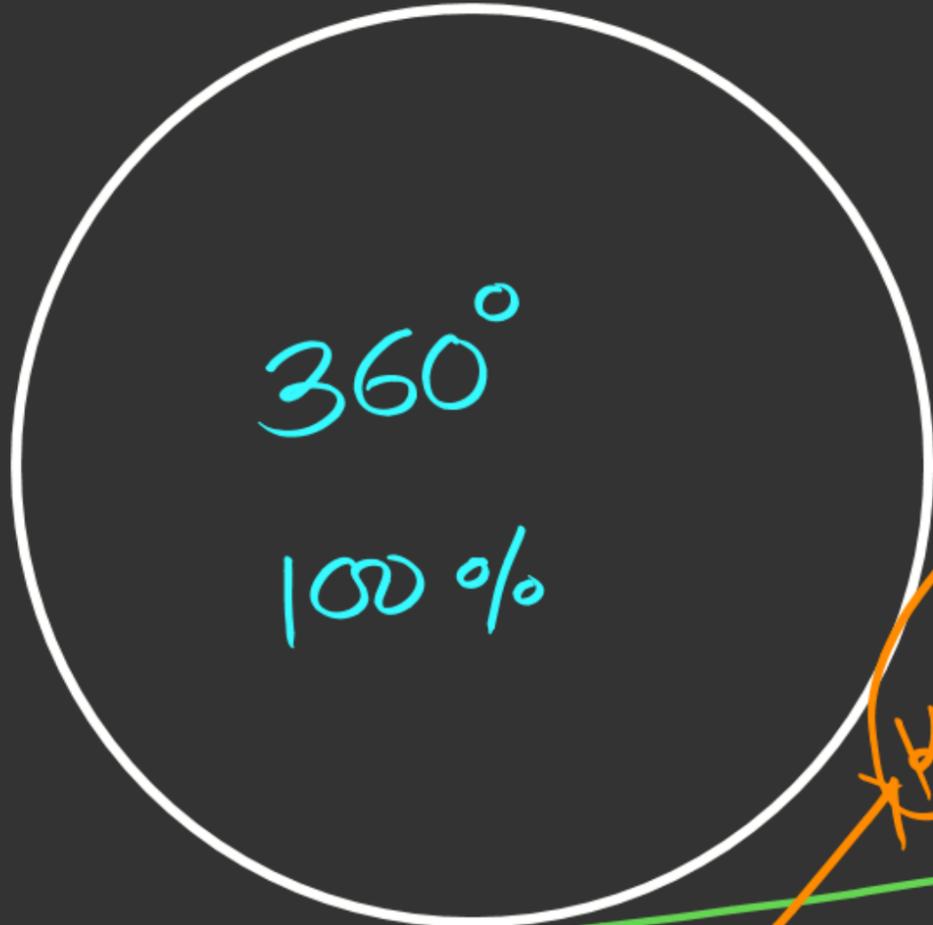


$$\pi = 3.14$$

$$h = 7$$
$$r = 24$$
$$l = 25$$

$$A_{\text{SL}} = \pi \times r \times l$$
$$= 6000\pi \text{ cm}^2$$

$$\rightarrow \frac{6000 \times 3.14}{100} = 1884 \text{ cm}^2$$



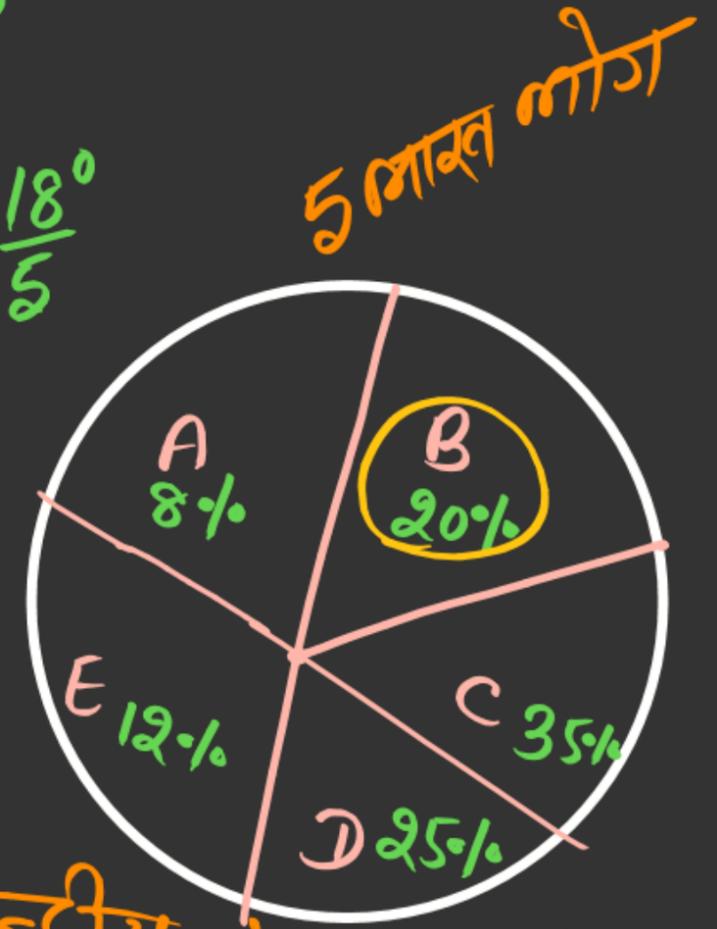
XHS Bihari Exams (youtube)

$$100\% = 360^\circ$$

$$1\% = \frac{360}{100} = \frac{18}{5}$$

$$1\% = \frac{18}{5}$$

yes/no



① शहर B का केन्द्रीय कोण निकालो।

$$100\% = 360^\circ$$

$$20\% = \frac{360}{100} \times 20 = 72^\circ$$

$$360^\circ = 100\%$$

$$1^\circ = \frac{100}{360} = \frac{5}{18}\%$$

$$1^\circ = \frac{5}{18}\%$$

8 AM to 11 AM

P & C

permutation & combination

**Directions (1–5) :** Study the pie-chart carefully to answer the questions that follow.

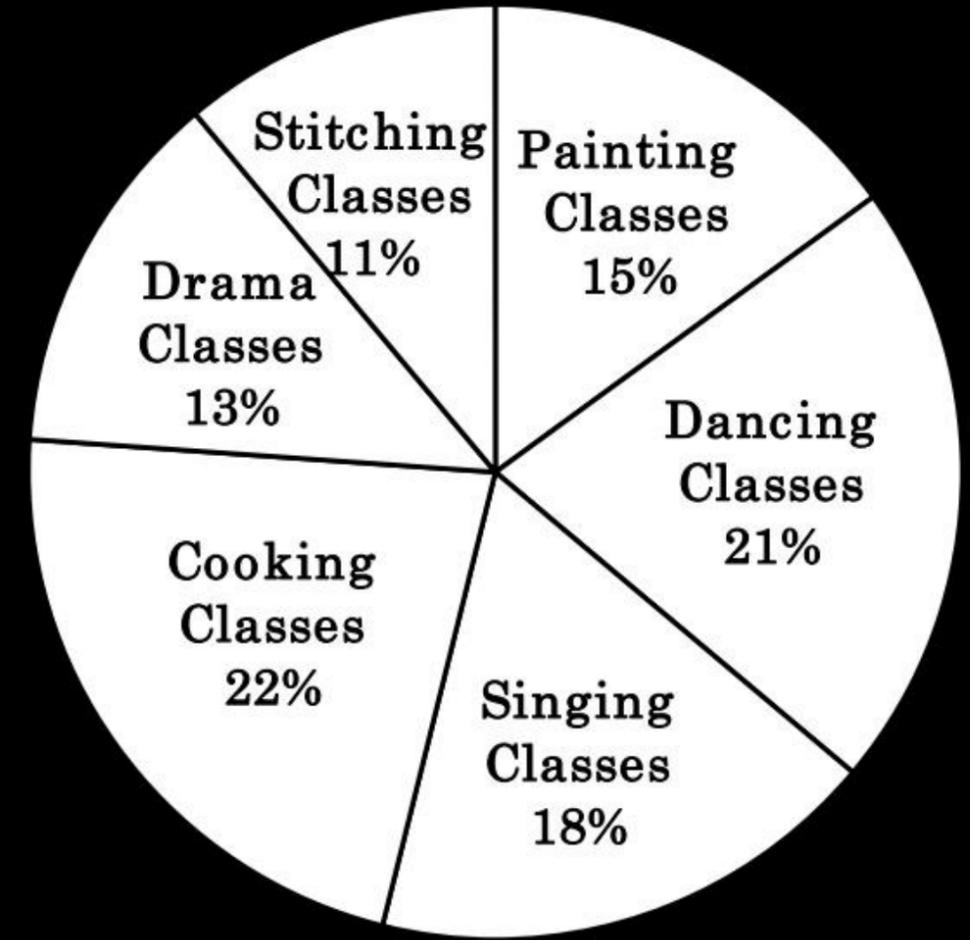
**निर्देश (1–5) :** निम्नलिखित पाई-चार्ट का ध्यानपूर्वक अध्ययन कर नीचे दिए गए प्रश्नों के उत्तर दीजिए :

Percentage of students enrolled in different Hobby classes in a School.

एक स्कूल में विभिन्न हॉबी कक्षाओं में भर्ती हुए विद्यार्थियों की संख्या

**Total number of students = 3600**

**कुल विद्यार्थी = 3600**



1. The number of students enrolled in Cooking Classes is what per cent of that in Dancing Classes? (rounded off to two digits after decimal)

पाकशास्त्र कक्षा में भर्ती हुए विद्यार्थियों की संख्या नृत्य कक्षा में भर्ती हुए विद्यार्थियों की संख्या का कितना प्रतिशत है? (दशमलव के बाद दो अंकों तक पूर्णांकित)

- (A) 101.45      (B) 104.76      (C) 113.84  
 (D) 110.28      (E) None of these / इनमें से कोई नहीं