CECETATIES ALL BRANCHES

GENERAL APTITUDE

Analytical Aptitude

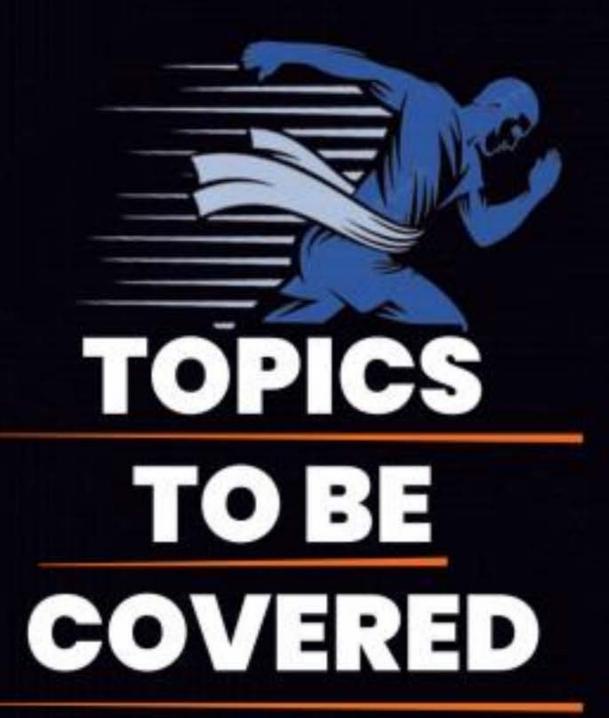




Lecture No:06

By-Amulya Ratan Sir







Understanding Venn Diagrams



Importance and it's usage

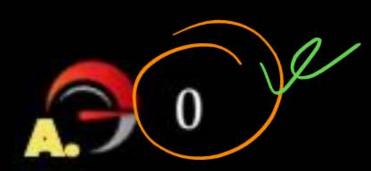


Questionnaire on the Topic



Q. How many cubes have no face painted?

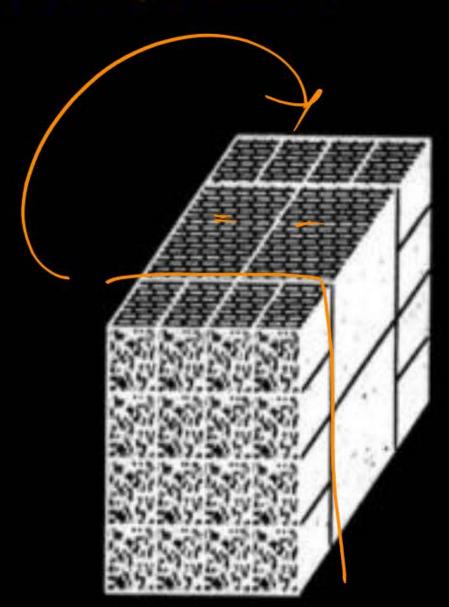














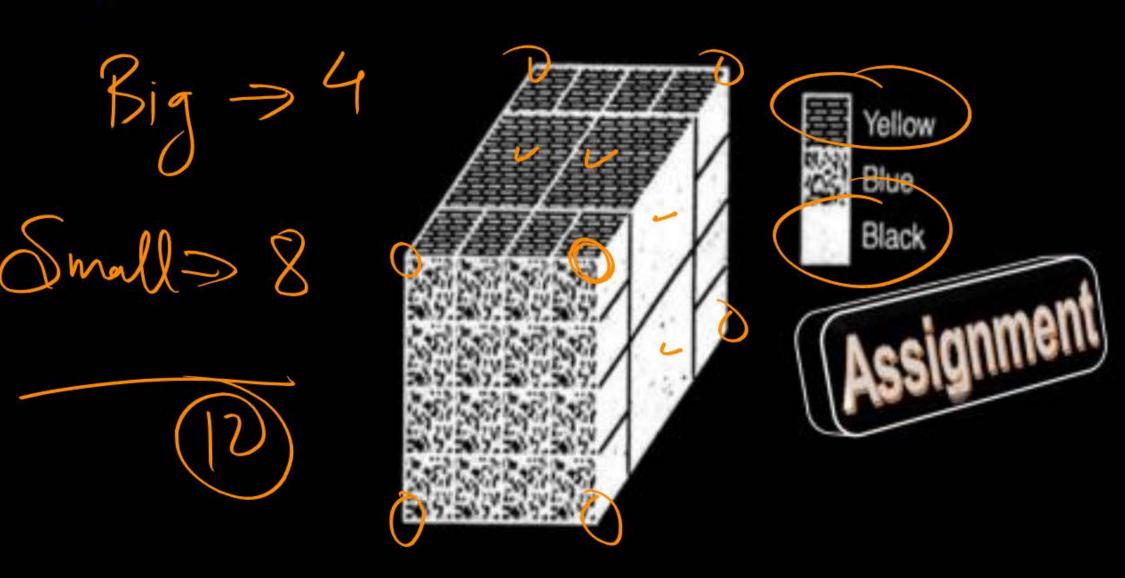


How many cubes have two faces painted yellow and



black respectively?

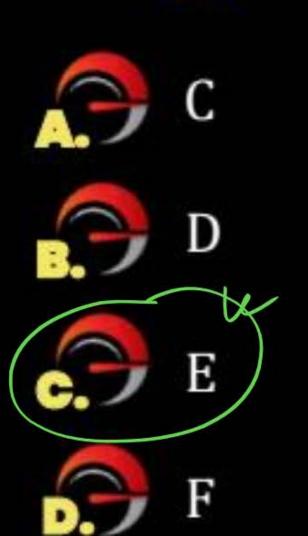




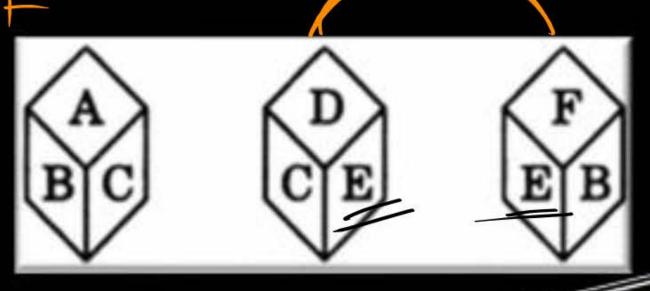


The six faces of a dice have been marked with alphabets A, B, C, D, E and F respectively. This dice is rolled down three times. The three positions are shown as:

Find the alphabet opposite $A \rightleftharpoons E$



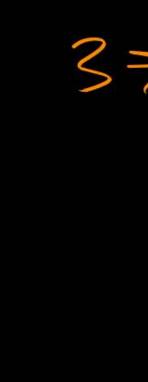


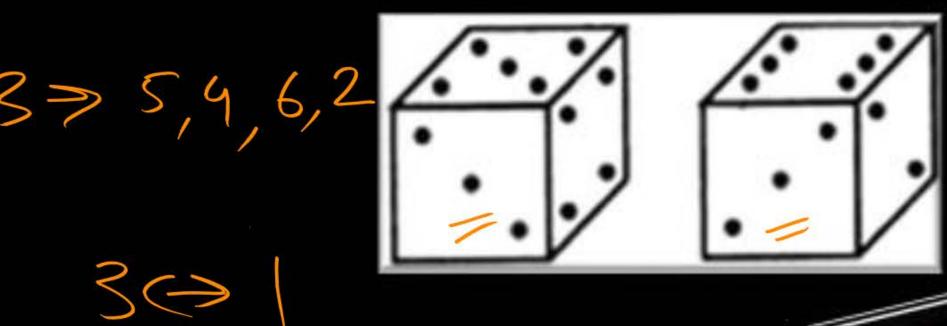




Two positions of a dice are shown below. If the face with I dot is at the bottom, then the number of dots on the top is











Two positions of a dice are shown below. If the face with dot is at the bottom, then the number of dots on the

top is



2

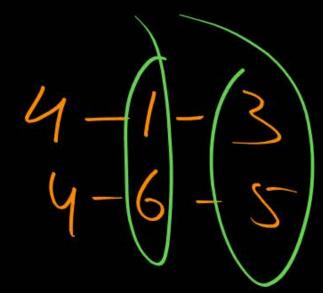


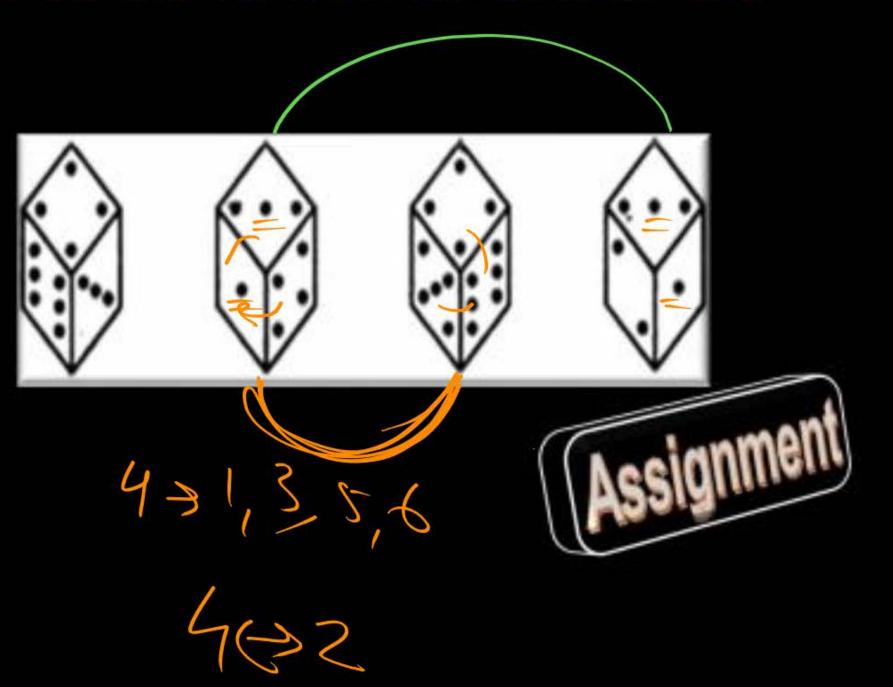
4



5









Q. faces. The symbols are dot, circle, triangle, square, cross and arrow. Three different positions of the cube are shown in figures X, Y, and Z.

Which symbol is opposite the dot?



Circle



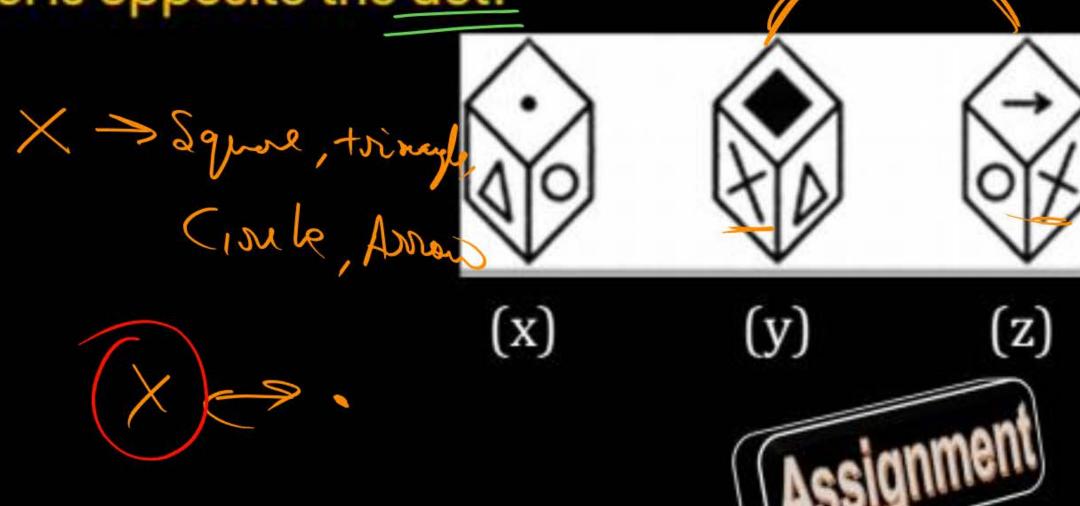
Arrow



Cross



Triangle







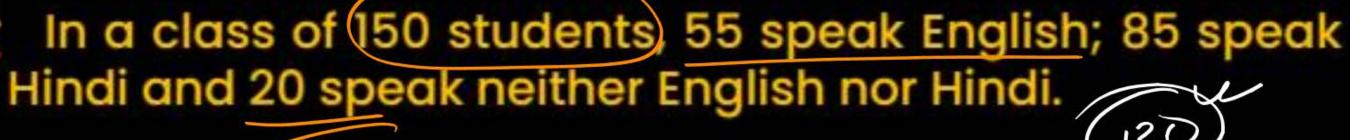
(B) Lone pen are

Pencils

Pen Pen Pen Pen Pen Pens

(Books) Pen Pens



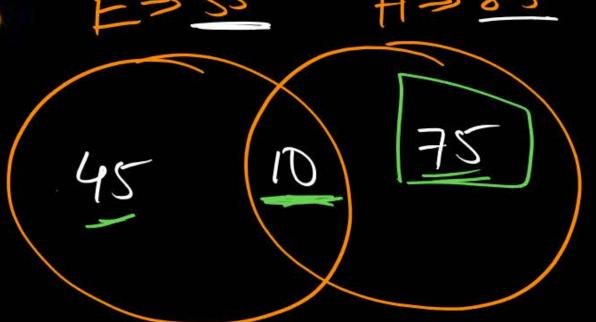


How many speak both English and Hindi?





How many speak only Hindi?







In the pack of plates, 1/3 plates are damaged, 2/3 plates are cracked and 1/3 of them are damaged and cracked. If 80 plates are not hampered, then what is the number of total plates?



Q. In a class, there are 100 students. Out of those 65 students take English and 20 students take both English and French. If every student takes either English or E>65

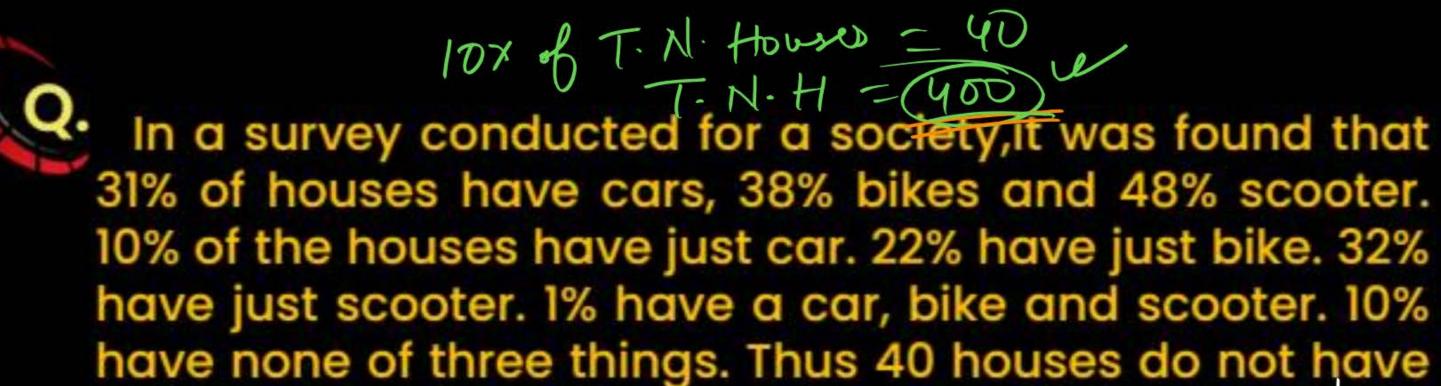
French or both, then

What is the number of students who take French?



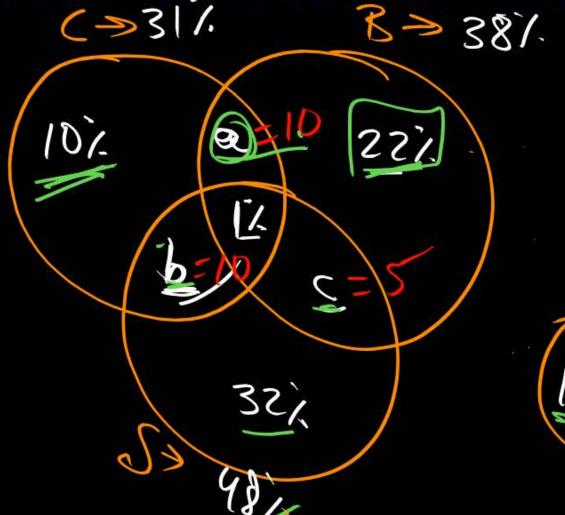
Find the number of students who takes only English.

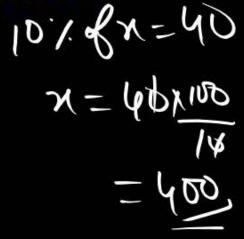




10%+ a+ 11.+b=31%

these vehicles.











0.22 × 400 = -

How many houses have bikes only?

(88)

22

 \triangleright How many houses have exactly two vehicles?



How many houses have only cars?

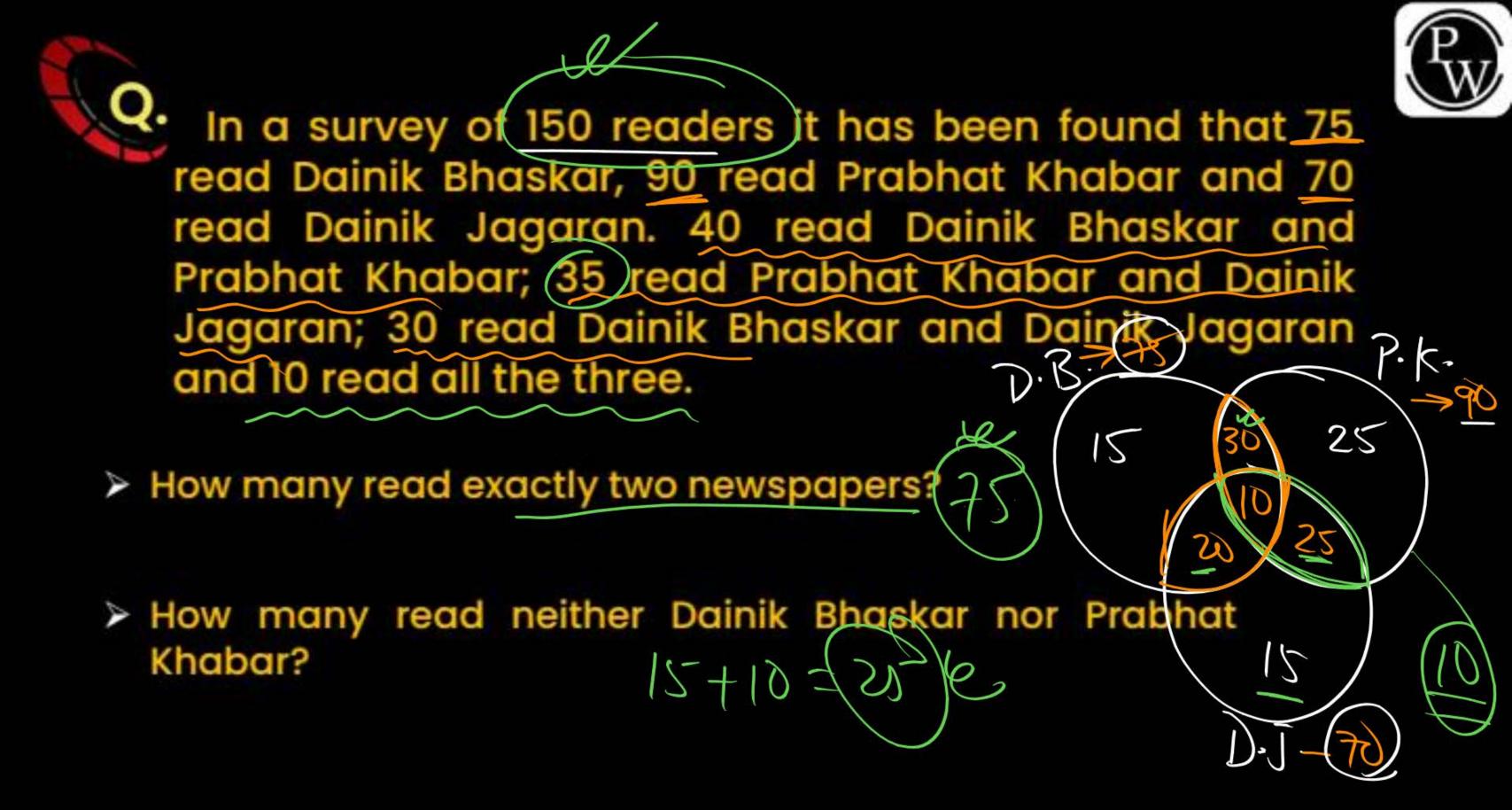
0.64 x 400 = (258 pc

> How many houses have only one vehicle?

4 64 10 75

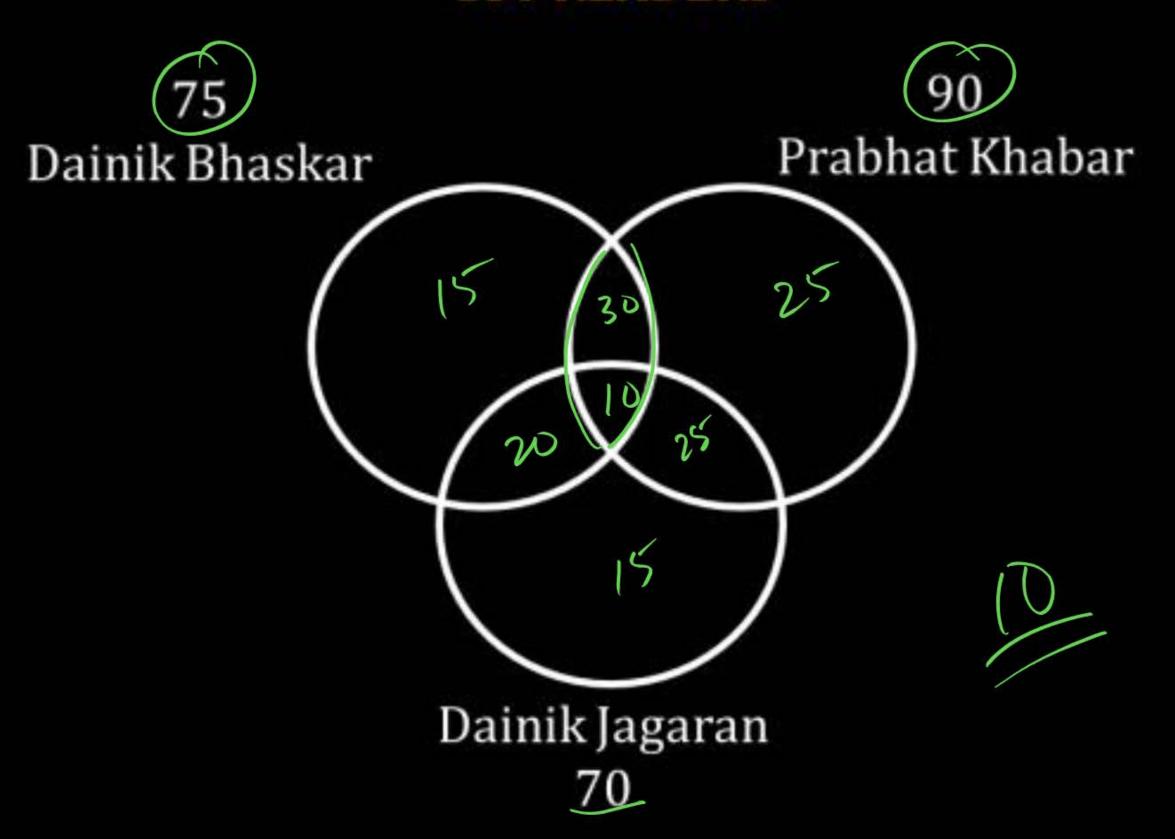
How many houses do not have a scooter?

D.25 Whas \$508



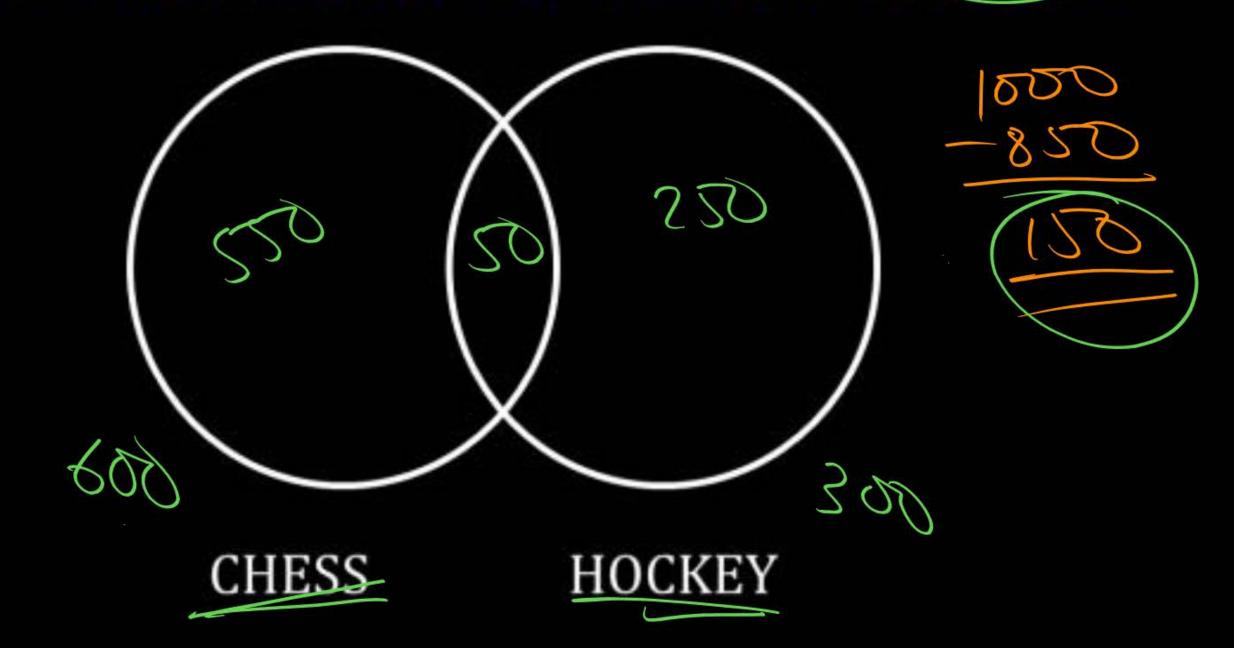
150 READERS





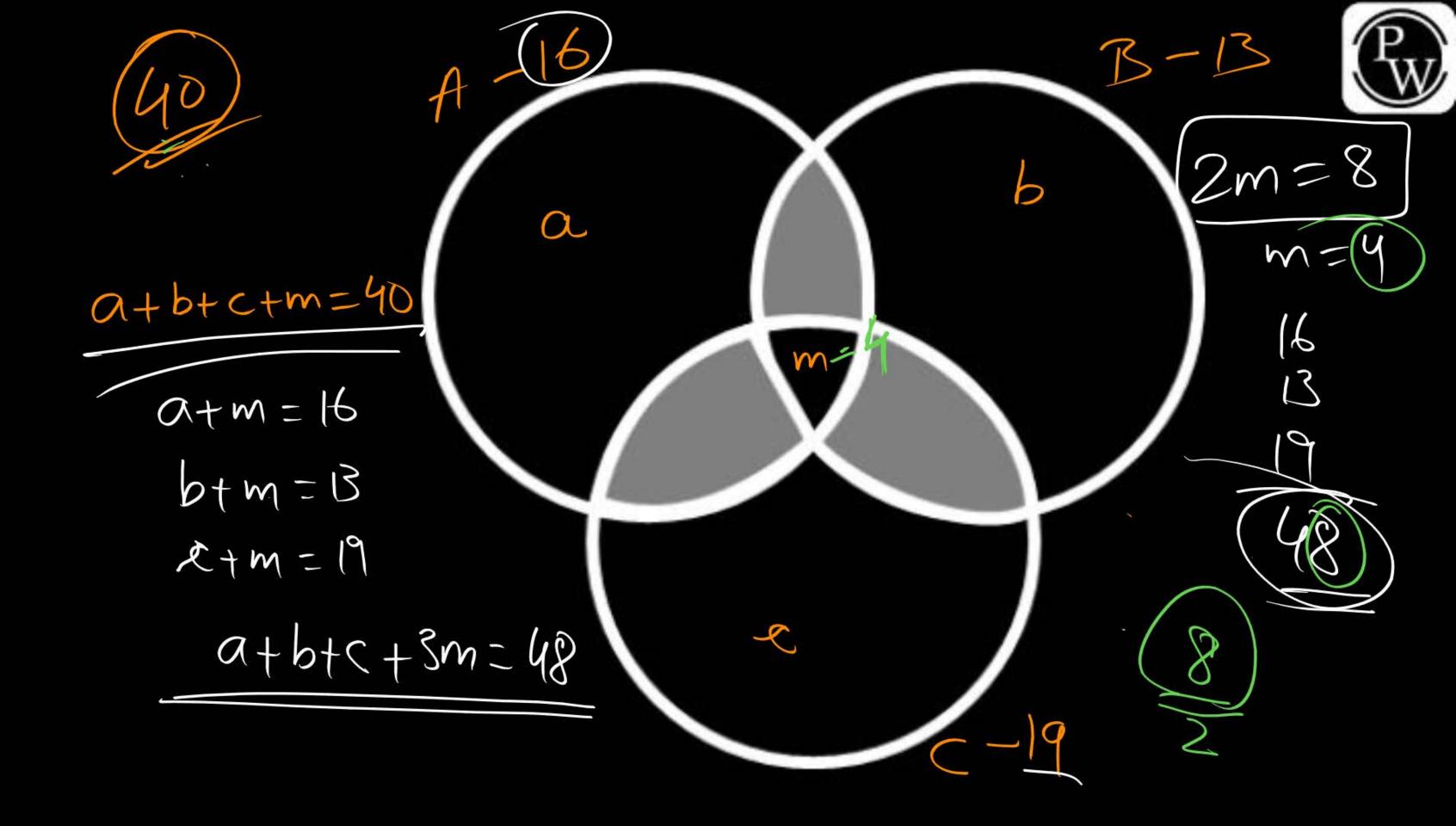


In a class with 1000 students, 600 play chess, 300 play hockey and 50 play both the games. The number of students neither play chess nor hockey is





There are 40 students in a class. They have to watch movies from A, B and C. They either watch one or all three movies. 16 students watch A, 13 students watch B, 19 students watch C. How many students watched all three movies?



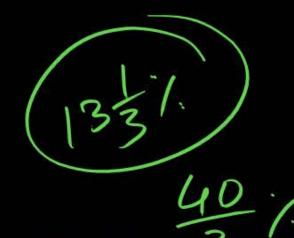
The following table gives the statistics of a class in which each student opted for Maths or Statistics or both. Unfortunately most of the figures have been erased but I remember some information as follows:

13 1/3% of the students took both Math's and Statistics 40 × 186 40% of the students were females.

None of the females took both Mathematics and Statistics.

	Maths	Statistics	Both	Total
Male	50	20	20	90
Female	/0	50	X	60
Total	(60)	70	20	(150)







How many males took both Mathematics and Statistics?

a) 40

b) 10

Je) 20

d) 60

3×100 = 300

How many students took only Mathematics?

a) 50

b) 80

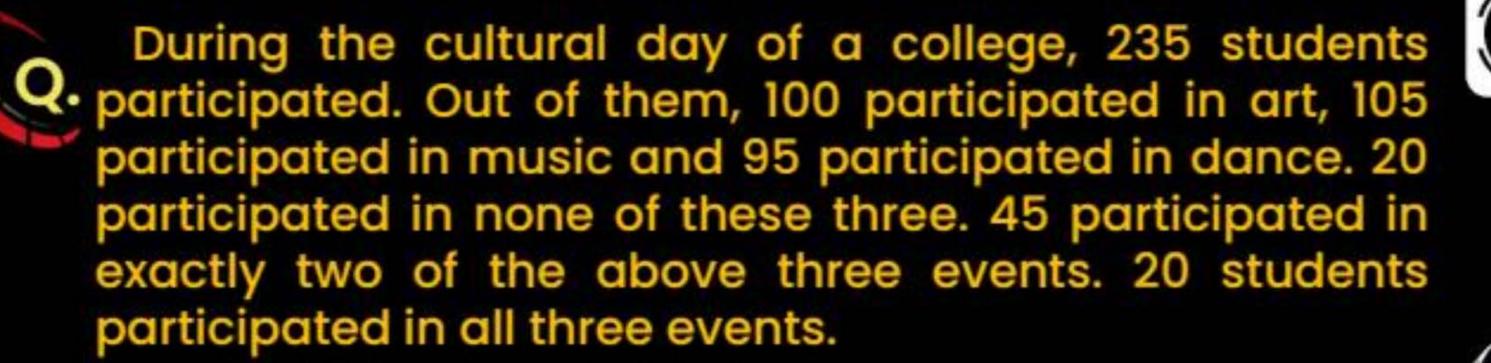
c) 60

d) 10

Q. In a class of 160 students, it was found that 65 play Cricket 70 play Hockey and 90 play Football, 30 play Cricket and Hockey, 40 Cricket and Football, 35 play Hockey and Football and 15 play none of these three games.

How many play all three games?

How many students play exactly one game?



If 45 students participated in only art, then how many students participated in both music and dance but not art?

(a) 10

(b) 15

(c) 20

(d) 25

If 20 students participated in both art and dance but not music, then how many students participated in music only?

(a) 55

(b) 60

(c) 65

(d) 50



Q. conclusions. Which one of the following options are



logically inferred?

Statement 1: Some actors are dancers.

Statement 2: All dancers are fat.

Conclusion I: Some actors are fat.

Conclusion II: All actors are fat.





Only I follow



Only II follow



Both I and II follow



Neither I nor II follow



