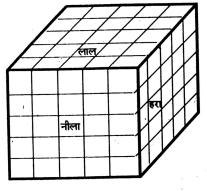
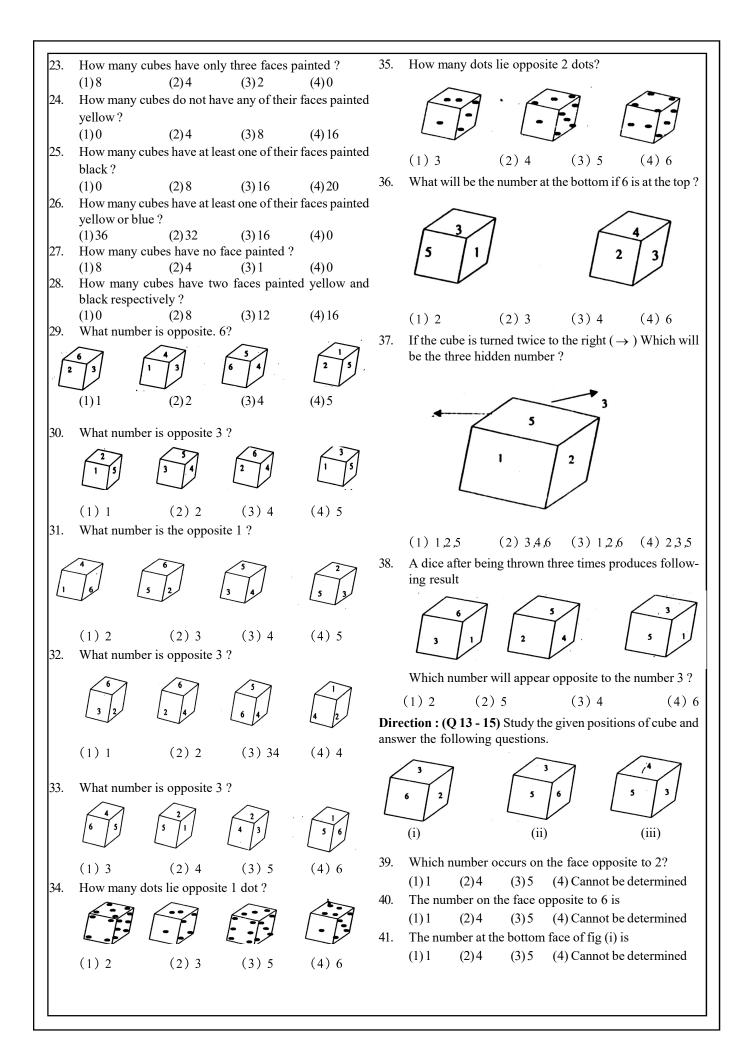
<b>Directions :</b> A cube painted yellow on all faces is cut into 27						How many cubes have only one face painted ?				
sma	ll cubes of equ	al sizes. Ansv	ver the quest	ions that follow.		(1)27 (2)49 (3)54 (4)84				
1.	How many cubes are painted on one face only ?					. How many cubes have only two faces painted ?				
	(1)1	(2)6	(3)8	(4) 12		(1)24 (2)36 (3)48 (4)60				
2.	How many cube are not painted any face ?					2. How many cubes have only three faces painted ?				
	(1)1	(2)4	(3)6	(4)8	10	(1)8  (2)12  (3)16  (4)20				
Dir	ections : A cub	e is coloured 1	ed on all face	. It is cut into 64	13.	B. How many cubes have three faces painted with different colours ?				
smaller cubes of equal size. Answer the following questions						(1)0 $(2)6$ $(3)8$ $(4)10$				
based on the statement ?						How many cubes have two faces painted red and green				
3.	How many cubes have no face coloured ?					and all other faces unpainted ?				
	(1)24	(2)16	(3)8	(4)0		(1)8  (2)12  (3)16  (4)20				
4	How many cubes are there which have only one face coloured ?					. How many cubes have only one face painted red an other faces unpainted ?				
	(1)4	(2)8	(3)16	(4) 24		(1)9 (2)12 (3)15 (4)18				
5.	How many cubes have two red opposite faces ?				16.					
				(4)24	17.	(1)8 (2)12 (3)16 (4)None				
c						7. How many cubes have one face painted red and one face painted blue and other faces may be painted on				
6.	How many cubes have three faces coloured ?					unpainted ?				
	(1)24	(2)16	(3)8	(4)4		(1)8 (2)12 (3)16 (4)20				
<b>Directions :</b> A cube is painted blue on all face is cut into 125 smaller cubes of equal size. Now answer the following						How many cubes are three in all ?				
	questions :					(1)25 (2)75 (3)125 (4)150				
7.	1	ubes are not i	painted on an	v face ?		Directions (Q. 37 - 46) : A solid cube has been painted yel-				
/.	How many cubes are not painted on any face ? (1) 8 (2) 16 (3) 18 (4) 27					w, blue and black on pairs of opposite faces. The cube is en cut into 36 s,aller cube such that 32 cubes are of the same				
Q	How many cubes are painted on one face only ?					size whil 4 others are of bigger size. Also no face of any of the				
8.	-	-		-		bigger cubes is painted blue.				
	(1)8	(2)16	(3)36	(4) 54						

19.



9. How many cubes have no face painted ? (1) 14 (2) 21 (3) 27 (4) 35 How many cubes have at least one face painted blue ? (1)0 (2)8 (3)16 (4)32

- 20. How many cubes have only one face painted ? (1)0 (2)4 (3)8 (4)12
- 21. How many cubes have only two faces painted ? (1)24 (2)20 (3)16 (4)8
- 22. How many cubes have two or more faces painted? (1)24 (2)20 (3)16 (4)8



							1			
CUBE AND DICE										
1. (2) 6. (3) 11. (2) 16. (4) 21. (2) 26. (1) 31. (4) 36. (2)	2. (1) 7. (4) 12. (1) 17. (4) 22. (3) 27. (4) 32. (4) 37. (4)	8. (4) 13. (3) 18. (3) 23. (1) 28. (3) 33. (3)	14. (2) 19. (4) 24. (4) 29. (1) 34. (4)	10. (3) 15. (4) 20. (3) 25. (4) 30. (2) 35. (3)						
41. (1)	57. (1)	50. (5)	57. (5)	10. (2)						
	6. (3) 11. (2) 16. (4) 21. (2) 26. (1) 31. (4) 36. (2)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6. $(3)$ 7. $(4)$ 8. $(4)$ 9. $(3)$ 11. $(2)$ 12. $(1)$ 13. $(3)$ 14. $(2)$ 16. $(4)$ 17. $(4)$ 18. $(3)$ 19. $(4)$ 21. $(2)$ 22. $(3)$ 23. $(1)$ 24. $(4)$ 26. $(1)$ 27. $(4)$ 28. $(3)$ 29. $(1)$ 31. $(4)$ 32. $(4)$ 33. $(3)$ 34. $(4)$ 36. $(2)$ 37. $(4)$ 38. $(3)$ 39. $(3)$	6. $(3)$ 7. $(4)$ 8. $(4)$ 9. $(3)$ 10. $(3)$ 11. $(2)$ 12. $(1)$ 13. $(3)$ 14. $(2)$ 15. $(4)$ 16. $(4)$ 17. $(4)$ 18. $(3)$ 19. $(4)$ 20. $(3)$ 21. $(2)$ 22. $(3)$ 23. $(1)$ 24. $(4)$ 25. $(4)$ 26. $(1)$ 27. $(4)$ 28. $(3)$ 29. $(1)$ 30. $(2)$ 31. $(4)$ 32. $(4)$ 33. $(3)$ 34. $(4)$ 35. $(3)$ 36. $(2)$ 37. $(4)$ 38. $(3)$ 39. $(3)$ 40. $(2)$	6. $(3)$ $7.$ $(4)$ $8.$ $(4)$ $9.$ $(3)$ $10.$ $(3)$ $11.$ $(2)$ $12.$ $(1)$ $13.$ $(3)$ $14.$ $(2)$ $15.$ $(4)$ $16.$ $(4)$ $17.$ $(4)$ $18.$ $(3)$ $19.$ $(4)$ $20.$ $(3)$ $21.$ $(2)$ $22.$ $(3)$ $23.$ $(1)$ $24.$ $(4)$ $25.$ $(4)$ $26.$ $(1)$ $27.$ $(4)$ $28.$ $(3)$ $29.$ $(1)$ $30.$ $(2)$ $31.$ $(4)$ $32.$ $(4)$ $33.$ $(3)$ $34.$ $(4)$ $35.$ $(3)$ $36.$ $(2)$ $37.$ $(4)$ $38.$ $(3)$ $39.$ $(3)$ $40.$ $(2)$	6. $(3)$ 7. $(4)$ 8. $(4)$ 9. $(3)$ 10. $(3)$ 11. $(2)$ 12. $(1)$ 13. $(3)$ 14. $(2)$ 15. $(4)$ 16. $(4)$ 17. $(4)$ 18. $(3)$ 19. $(4)$ 20. $(3)$ 21. $(2)$ 22. $(3)$ 23. $(1)$ 24. $(4)$ 25. $(4)$ 26. $(1)$ 27. $(4)$ 28. $(3)$ 29. $(1)$ 30. $(2)$ 31. $(4)$ 32. $(4)$ 33. $(3)$ 34. $(4)$ 35. $(3)$ 36. $(2)$ 37. $(4)$ 38. $(3)$ 39. $(3)$ 40. $(2)$			