



The Winners Institute

Reasoning

Dice

Practice Sheet
Basic to High Level with Solution



By - Aditya Patel Sir

**SBI PO & LIC AAO
(2013- Batch) Selected**

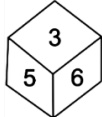


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Dice - Practice Sheet

1. दिए गए पासे में 3 के विपरीत सतह पर कौनसा अंक होगा?

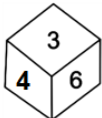
Which digit will be on the opposite surface of 3 in the given dice?



- (a) 2
(b) 4
(c) 1
(d) 5

2. दिए गए पासे में 1 के विपरीत सतह पर कौनसा अंक होगा?

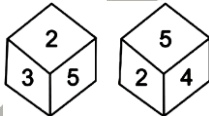
Which digit will be on the opposite surface of 1 in the given dice?



- (a) 6
(b) 3/4/6
(c) 4/6
(d) निर्धारित नहीं किया जा सकता / Can't determine

3. दिए गए पासे में 3 के विपरीत सतह पर कौनसा अंक होगा?

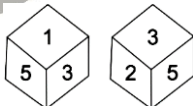
Which digit will be on the opposite surface of 3 in the given dice?



- (a) 2
(b) 4
(c) 1
(d) 5

4. दिए गए पासे में 2 के विपरीत फलक पर कौनसा अंक होगा?

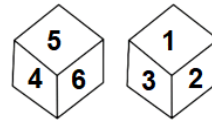
Which digit will be on the opposite face of 2 in the given dice?



- (a) 1
(b) 4
(c) 6
(d) 2

5. दिए गए पासे में 1 के विपरीत फलक पर कौनसा अंक होगा?

Which digit will be on the opposite face of 1 in the given dice?



- (a) 6
(b) 5
(c) 6 / 5 / 4
(d) निर्धारित नहीं किया जा सकता / Can't determine

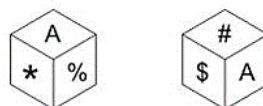
6. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस चिह्न का चयन करें जो '#' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '#'.
 (a) %
 (b) &
 (c) *
 (d) %



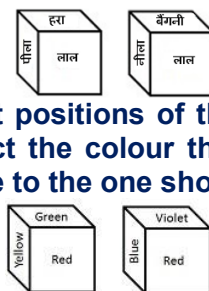
7. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस प्रतीक का चयन करें जो 'A' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing 'A'.
 (a) %
 (b) \$
 (c) @
 (d) %



8. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस रंग का चयन करें जो 'लाल' दिखाने वाले के विपरीत फलक पर होगा।

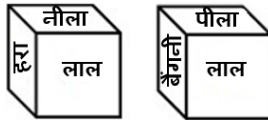
Two different positions of the same dice are shown. Select the colour that will be on the face opposite to the one showing 'Red'.
 (a) Green
 (b) Violet
 (c) Yellow
 (d) Blue



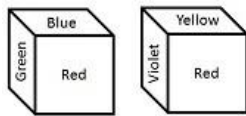
Dice - Practice Sheet

- (a) नीला / Blue (b) लाल / Red
(c) हरा / Green (d) गुलाबी / Pink

9. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस रंग का चयन करें जो 'बैंगनी' दिखाने वाले के विपरीत फलक पर होगा।



Two different positions of the same dice are shown. Select the colour that will be on the face opposite to the one showing 'Violet'.



- (a) नीला / Blue (b) लाल / Red
(c) हरा / Green (d) पीला / Yellow

10. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें, जो 'N' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'N'.



- (a) O (b) W
(c) E (d) M

11. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस प्रतीक का चयन करें जो '%' दिखाने वाले के विपरीत फलक पर होगा।

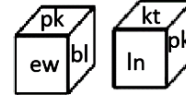
Two different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '%'.



- (a) @ (b) \$
(c) * (d) !

12. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उन अक्षरों का चयन करें जो 'bl' दिखाने वाले के विपरीत फलक पर होंगे।

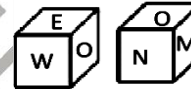
Two different positions of the same dice are shown. Select the letters that will be on the face opposite to the one showing 'bl'.



- (a) in (b) ln
(c) pk (d) kt

13. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'M' दिखाने वाले के विपरीत फलक पर होगा।

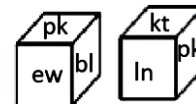
Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'M'.



- (a) W (b) O
(c) E (d) N

14. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उन अक्षरों का चयन करें जो 'kt' दिखाने वाले के विपरीत फलक पर होंगे।

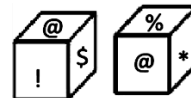
Two different positions of the same dice are shown. Select the letters that will be on the face opposite to the one showing 'kt'.



- (a) pk (b) bl
(c) ew (d) in

15. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस चिह्न का चयन करें, जो '*' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '*'.

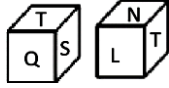


- (a) ! (b) @
(c) % (d) \$

Dice - Practice Sheet

16. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'S' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'S'.

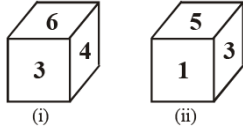


(a) T
(c) L

(b) Q
(d) B

17. पासे की निम्न दो स्थितियों के आधार पर, संख्या 5 के विपरीत फलक पर कौन-सी संख्या होगी?

Based on the following two conditions of dice, which number will be on the opposite face of number 5?

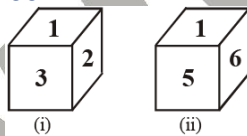


(a) 1
(c) 4

(b) 3
(d) 5

18. नीचे पासे की दो स्थितियों को दर्शाया गया है। जब संख्या 4 पासे की निचली सतह पर है, तो बताये कि ऊपरी सतह पर कौन-सी संख्या होगी?

The two dice conditions are shown below. When the number 4 is on the lower surface of the dice, tell which number will be on the upper surface?

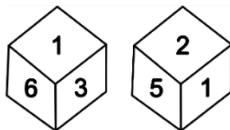


(a) 1
(c) 5

(b) 2
(d) 6

19. दिए गए पासे में 6 के विपरीत फलक पर कौनसा अंक होगा?

Which digit will be on the opposite face of 6 in the given dice?

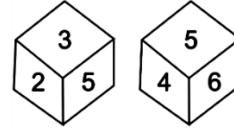


(a) 2
(c) 1

(b) 4
(d) 5

20. दिए गए पासे में 2 के विपरीत फलक पर कौनसा अंक होगा?

Which digit will be on the opposite face of 2 in the given dice?

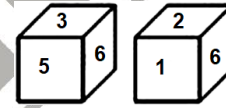


(a) 6
(c) 1

(b) 3
(d) 4

21. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '5' दिखाने वाले के विपरीत फलक पर होगी।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '5'.

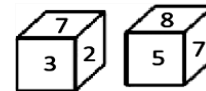


(a) 2
(c) 6

(b) 1
(d) 3

22. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस संख्या का चयन करें, जो '8' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '8'.

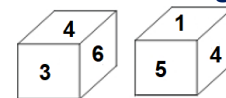


(a) 3
(c) 8

(b) 2
(d) 5

23. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो '6' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing '6'.



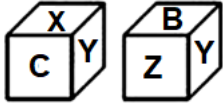
(a) 5
(c) 1

(b) 3
(d) 4

Dice - Practice Sheet

24. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'B' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'B'.

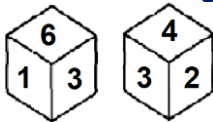


(a) X
(c) Z

(b) Y
(d) C

25. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अंक का चयन करें जो '3' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the digit that will be on the face opposite to the one showing '3'.

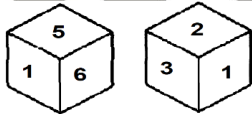


(a) 5
(c) 4

(b) 1
(d) 2

26. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '2' दिखाने वाले के विपरीत फलक पर होगी।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '2'.

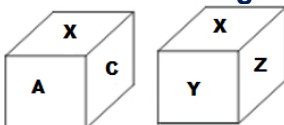


(a) 3
(c) 1

(b) 6
(d) 5

27. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'X' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'X'.

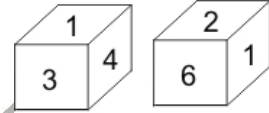


(a) B
(c) X

(b) C
(d) Y

28. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस संख्या का चयन करें जो '6' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '6'.

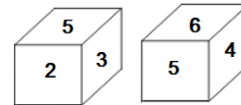


(a) 1
(c) 3

(b) 2
(d) 4

29. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '4' दिखाने वाले के विपरीत फलक पर होगी।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '4'.

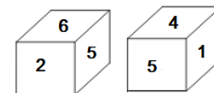


(a) 5
(c) 2

(b) 3
(d) 6

30. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '4' दिखाने वाले के विपरीत फलक पर होगी।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '4'.



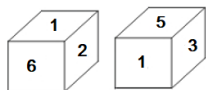
(a) 5
(c) 2

(b) 1
(d) 6

31. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '3' दिखाने वाले के विपरीत फलक पर होगी।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '3'.

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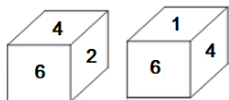


(a) 1
(c) 5

(b) 2
(d) 6

32. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस संख्या का चयन करें जो '1' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '1'.

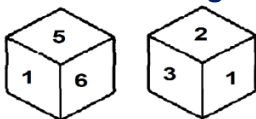


(a) 6
(c) 4

(b) 2
(d) 5

33. एक ही पासे की दो अलग-अलग स्थिति दिखाई गई हैं। उस संख्या का चयन करें जो '2' दिखाने वाले के विपरीत फलक पर होगा।

Two different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing '2'.

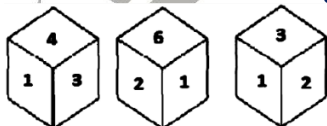


(a) 3
(c) 4

(b) 6
(d) 5

34. एक ही पासे की तीन अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '4' दिखाने वाले के विपरीत फलक पर होगी।

Three different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '4'.



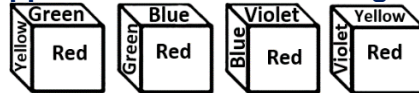
(a) 1
(c) 3

(b) 2
(d) 6

35. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उस रंग का चयन करें जो 'नीला' दिखाने वाले के विपरीत फलक पर होगा।



Four different positions of the same dice are shown. Select the colour that will be on the face opposite to the one showing 'Blue'.



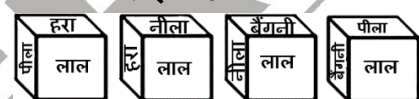
(a) हरा / Green

(b) पीला / Yellow

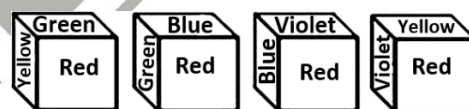
(c) लाल / Red

(d) बैंगनी / Violet

36. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उस रंग का चयन करें जो 'बैंगनी' दिखाने वाले के विपरीत फलक पर होगा।



Four different positions of the same dice are shown. Select the colour that will be on the face opposite to the one showing 'Violet'.



(a) हरा / Green

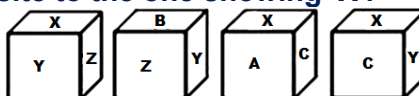
(b) पीला / Yellow

(c) लाल / Red

(d) नीला / Blue

37. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'X' दिखाने वाले के विपरीत फलक पर होगा।

Four different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'X'.



(a) Y
(c) A

(b) B
(d) C

38. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उन बिंदुओं का चयन करें जो '4 बिंदु' दिखाने वाले के विपरीत फलक पर होंगे।

Four different positions of the same dice are shown. Select the number of dots that will be on the face opposite to the one showing '4 dots'.

Dice - Practice Sheet

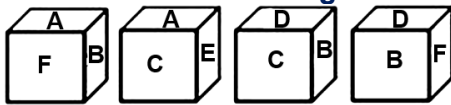


(a) 1
(c) 2

(b) 3
(d) 5

39. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'C' दिखाने वाले के विपरीत फलक पर होगा।

Four different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'C'.

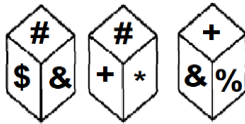


(a) F
(c) B

(b) A
(d) E

40. एक ही पासे की तीन अलग-अलग स्थिति दिखाई गई हैं। उस चिह्न का चयन करें, जो '*' दिखाने वाले के विपरीत फलक पर होगा।

Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '*'. *



(a) \$
(c) %

(b) &
(d) +

41. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उन बिंदुओं का चयन करें जो '4 बिंदु' दिखाने वाले के विपरीत फलक पर होंगे।

Four different positions of the same dice are shown. Select the number of dots that will be on the face opposite to the one showing 'four dots'.

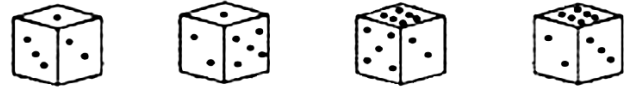


(a) 1
(c) 2

(b) 3
(d) 5

42. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उन बिंदुओं का चयन करें जो '3 बिंदु' दिखाने वाले के विपरीत फलक पर होंगे।

Four different positions of the same dice are shown. Select the number of dots that will be on the face opposite to the one showing 'Three dots'.

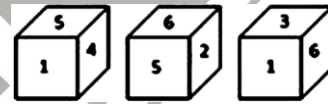


(a) 1
(c) 2

(b) 3
(d) 5

43. एक ही पासे की तीन अलग-अलग स्थिति दिखाई गई हैं। वह संख्या चुनें जो '5' दिखाने वाले के विपरीत फलक पर होगी।

Three different positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '5'.

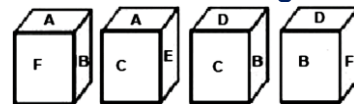


(a) 1
(c) 6

(b) 2
(d) 3

44. एक ही पासे की चार अलग-अलग स्थिति दिखाई गई हैं। उस अक्षर का चयन करें जो 'A' दिखाने वाले के विपरीत फलक पर होगा।

Four different positions of the same dice are shown. Select the letter that will be on the face opposite to the one showing 'A'.

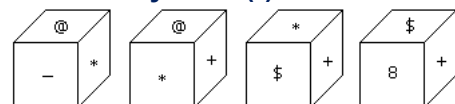


(a) F
(c) B

(b) D
(d) E

45. प्रतीक * की सतह के ठीक विपरीत वाली सतह पर कौन सा प्रतीक होगा।

Which symbol will be on the face opposite to the face with symbol (*).



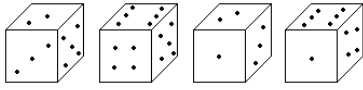
(a) @
(c) 8

(b) \$
(d) +

46. 2 बिंदु वाले फलक के विपरीत फलक पर कितने बिंदु होंगे?

Dice - Practice Sheet

How many dots will be on the face opposite to the face which contains 2 dots?

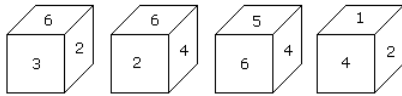


(a) 1
(c) 4

(b) 5
(d) 6

47. 6 के विपरीत फलक पर कौन सी संख्या है?

Which number is on the face opposite to 6?

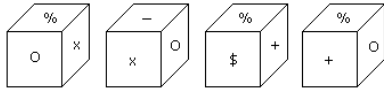


(a) 4
(c) 2

(b) 1
(d) 3

48. यहाँ एक घन के 4 पदों को दिखाया गया है। कौन सा चिन्ह '+' के विपरीत सतह पर होगा।

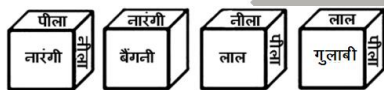
Here 4 positions of a cube are shown. Which sign will be opposite surface of '+'.



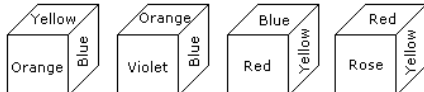
(a) %
(c) x

(b) -
(d) \$

49. नीचे दिए गए पासे के चार पदों में से, वह रंग ढूँढें जो पीले रंग के विपरीत है?



From the four positions of a dice given below, find the color which is opposite to yellow?



(a) बैंगनी / Violet

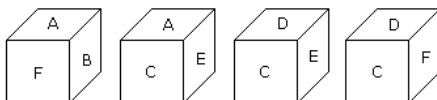
(b) लाल / Red

(c) गुलाबी / Rose

(d) नीला / Blue

50. एक घन के चार पदों को नीचे दिखाया गया है, 'A' के फलक के विपरीत फलक पर कौन सा अक्षर होगा?

From the positions of a cube are shown below, which letter will be on the face opposite to face with 'A'?

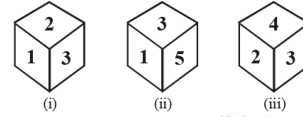


(a) D
(c) C

(b) B
(d) F

51. संख्या 3 के विपरीत फलक पर कौन-सी संख्या होनी चाहिए?

What number should be the opposite of number 3?

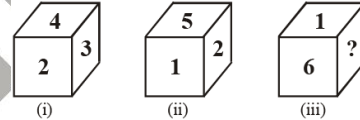


(a) 1
(c) 5

(b) 6
(d) 4

52. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी?

Based on the following conditions of a dice, which number will come at place of 'question mark'.

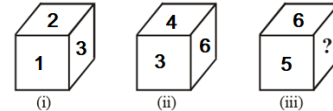


(a) 4
(c) 2

(b) 5
(d) 3

53. पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी।

Based on the following dice conditions, which number will come at place of 'question mark'.

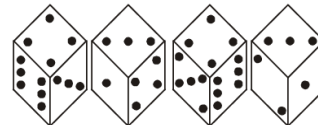


(a) 2
(c) 1

(b) 4
(d) 5

54. तीन बिन्दुओं वाले फलक के विपरीत फलक पर कितने बिन्दु होंगे?

How many dots will be on the face opposite the three-dots?



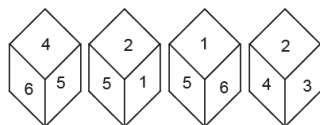
(a) 2
(c) 5

(b) 4
(d) 6

55. एक पासे की चार विभिन्न स्थितियों को नीचे दी गई आकृति में दर्शाया गया है, तो बताये कि संख्या 4 वाले फलक के विपरीत फलक पर कौन-सी संख्या होगी?

Dice - Practice Sheet

The four different positions of a dice are shown in the figure below, so what number will be on the opposite pane of the number 4 panel?



- (a) 5 (b) 3
(c) 2 (d) 1

निर्देश (56-60): निम्नलिखित प्रश्न दी गई आकृति पर आधारित हैं जो एक ही पासे की विभिन्न स्थितियों को दर्शाता है।

Direction (56-60): The following questions are based on the given figure which shows different positions of the same dice.



56. पासा (i) के निचले फलक पर कौन-सी संख्या है?
Which number is on the lower pane of dice (i)?
(a) 4 (b) 2
(c) 1 (d) 3
57. पासा (iii) के निचले फलक पर कौन-सी संख्या है?
Which number is on the lower pane of dice (iii)?
(a) 1 (b) 2
(c) 6 (d) 4
58. संख्या 6 के विपरीत कौन-सी संख्या है?
What number is the opposite of number 6?
(a) 2 (b) 5
(c) 3 (d) 1
59. निम्नलिखित संयोजनों में से कौन-सा संयोजन संख्या 4 के आसन्न सतहों की संख्या को प्रदर्शित करता है?
Which of the following combinations represents the number of adjacent surfaces of number 4?
(a) 2, 3 (b) 6, 2
(c) 2, 3 (d) 6, 3

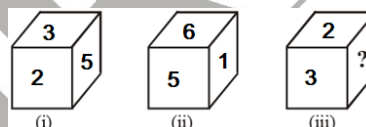
60. निम्नलिखित में से कौन सी संख्या 3 के आसन्न सतहों में से किसी एक पर अंकित संख्या को नहीं दर्शाती है?

Which of the following does not represent the number inscribed on one of the adjacent surfaces of number 3?

- (a) 2 (b) 6
(c) 4 (d) 1

61. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी।

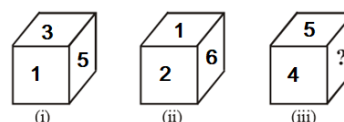
Based on the following conditions of a dice, which number will come at place of 'question mark'.



- (a) 1 (b) 4
(c) 5 (d) 6

62. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी।

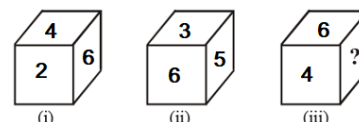
Based on the following conditions of a dice, which number will come at place of 'question mark'.



- (a) 1 (b) 2
(c) 3 (d) 6

63. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी।

Based on the following conditions of a dice, which number will come at place of 'question mark'.

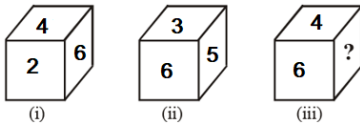


- (a) 1 (b) 2
(c) 3 (d) 5

64. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी।

Dice - Practice Sheet

Based on the following conditions of a dice, which number will come at place of 'question mark'.

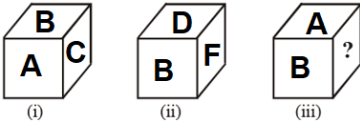


(a) 1
(c) 3

(b) 2
(d) 5

65. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सा अक्षर आयेगा?

Based on the following conditions of a dice, which letter will come at place of 'question mark' (?)

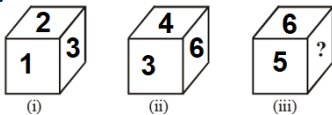


(a) C
(c) E

(b) D
(d) F

66. एक ही पासे की निम्नलिखित स्थितियों के आधार पर, '?' की जगह पर कौन-सी संख्या आयेगी?

Based on the following conditions of a dice, which number will come at place of 'question mark' (?)

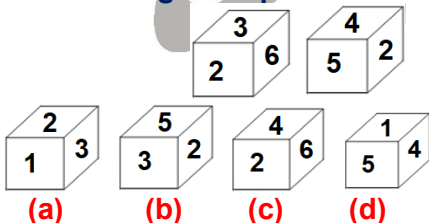


(a) 2
(c) 4

(b) 3
(d) 5

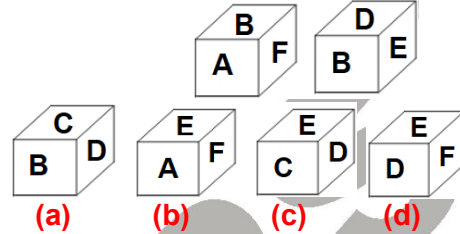
67. प्रश्न में एक पासे की दो आकृतियां दी गई हैं इसी पासे की तीसरी आकृति दिये गए विकल्पों में से कौनसी हो सकती है?

In the question, two figures of a dice are given, which third option of this dice can be out of the given options?



68. प्रश्न में एक पासे की दो आकृतियां दी गई हैं इसी पासे की तीसरी आकृति दिये गए विकल्पों में से कौनसी हो सकती है?

In the question, two figures of a dice are given, which third option of this dice can be out of the given options?



69. एक पासे की विभिन्न सतहों को 1 से 6 तक अंक दिये जाते हैं। यदि 1 अंक वाली सतह 2, 3 और 5 अंक वाली सतहों के समीप है, तो निम्नलिखित में से कौन सा कथन आवश्यक रूप से सत्य है?

A dice is numbered from 1 to 6 in different ways. If 1 is adjacent to 2, 3 and 5, then which of the following statements is necessarily true?

- (a) 4, 6 के समीप है / 4 is adjacent to 6
- (b) 2, 5 के समीप है / 2 is adjacent to 5
- (c) 1, 6 के समीप है / 1 is adjacent to 6
- (d) इनमें से कोई नहीं / None of these

70. एक पासे की विभिन्न सतहों को 1 से 6 तक अंक दिये जाते हैं। यदि 1, 5 के विपरीत है और 2, 3 के विपरीत है, तो निम्नलिखित में से कौन सा कथन आवश्यक रूप से सत्य है?

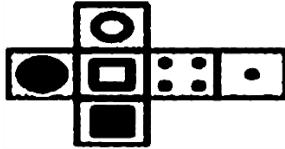
Different surfaces of a dice are numbered from 1 to 6. If 1 is opposite to 5 and 2 is opposite to 3, then which of the following statements is necessarily true?

- (a) 4, 3 और 6 के समीप है / 4 is adjacent to 3 and 6
- (b) 2, 4 और 6 के समीप है / 2 is adjacent to 4 and 6
- (c) 4, 5 और 6 के समीप है / 4 is adjacent to 5 and 6
- (d) 6, 3 और 4 के समीप है / 6 is adjacent to 3 and 4

Dice - Practice Sheet

71. जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है तो निम्नलिखित विकल्पों में से कौन सा घन नहीं बनाया जा सकता है?

Which of the following cubes cannot be formed, when the given figure is folded to form a cube?



(a) D
(c) B



(b) C



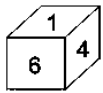
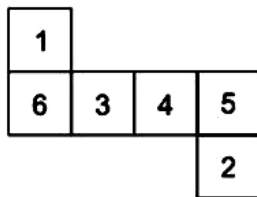
(c) D



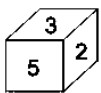
(d) A

72. निम्नलिखित में से कौन सा घन बन सकता है, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

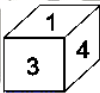
Which of the following cubes can be formed, when the given figure is folded to form a cube?



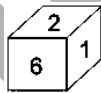
(a)



(b)



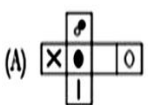
(c)



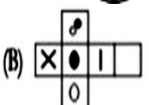
(d)

73. वह विकल्प चुनें जो दिए गए घन के बंद रूप से मिलता जुलता हो।

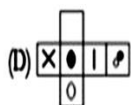
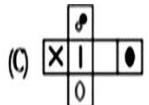
Choose the alternative that best resembles the unfolded form of the given cube.



(a) B
(c) D

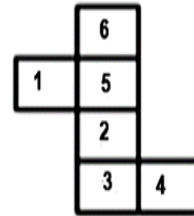


(b) C
(d) A



74. निम्नलिखित में से कौन सा घन बन सकता है, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

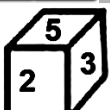
Which of the following cubes can be formed, when the given figure is folded to form a cube?



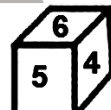
A



B



C



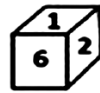
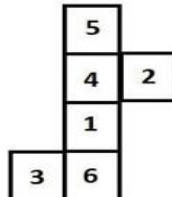
D

(a) B
(c) D

(b) C
(d) A

75. निम्नलिखित में से कौन सा घन बन सकता है, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

Which of the following cubes can be formed, when the given figure is folded to form a cube?



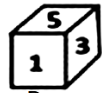
A



B



C



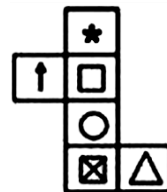
D

(a) B
(c) D

(b) C
(d) A

76. निम्नलिखित में से कौन सा घन बन सकता है, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

Which of the following cubes can be formed, when the given figure is folded to form a cube?



Dice - Practice Sheet



(a)



(b)



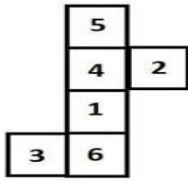
(c)



(d)

77. जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है, तो कौन सी संख्या '2' से सटी नहीं होगी?

When the given figure is folded to form a cube, which number will not be adjacent to '2'?

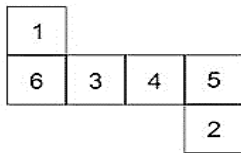


(a) 5
(c) 1

(b) 3
(d) 6

78. विपरीत फलकों के सही संयोजन का चयन करें, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

Select the correct combination of opposite faces, when the given figure is folded to form a cube?

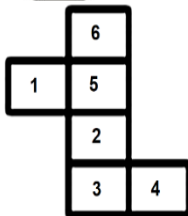


(a) 6, 1
(c) 1, 3

(b) 5, 4
(d) 4, 6

79. विपरीत फलकों के सही संयोजन का चयन करें, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

Select the correct combination of opposite faces, when the given figure is folded to form a cube?

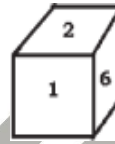
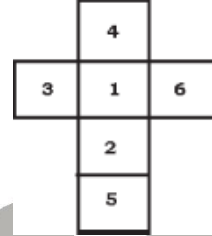


(a) 1, 6
(c) 3, 4

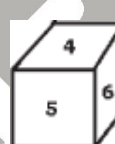
(b) 5, 2
(d) 5, 3

80. निम्नलिखित में से कौन सा घन नहीं बनाया जा सकता है, जब दी गई आकृति को घन बनाने के लिए मोड़ा जाता है?

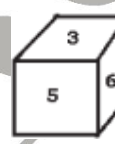
Which of the following cubes cannot be formed, when the given figure is folded to form a cube?



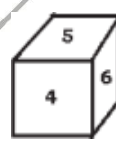
(a)



(b)



(c)



(d)

Dice - Practice Sheet

ANSWERS

1.	(b)	2.	(b)	3.	(b)	4.	(a)	5.	(c)
6.	(c)	7.	(c)	8.	(d)	9.	(c)	10.	(c)
11.	(b)	12.	(b)	13.	(a)	14.	(c)	15.	(a)
16.	(c)	17.	(c)	18.	(a)	19.	(a)	20.	(a)
21.	(b)	22.	(a)	23.	(a)	24.	(a)	25.	(a)
26.	(b)	27.	(a)	28.	(d)	29.	(c)	30.	(c)
31.	(d)	32.	(b)	33.	(b)	34.	(b)	35.	(b)
36.	(a)	37.	(b)	38.	(c)	39.	(a)	40.	(b)
41.	(c)	42.	(d)	43.	(d)	44.	(b)	45.	(c)
46.	(d)	47.	(b)	48.	(c)	49.	(a)	50.	(a)
51.	(b)	52.	(d)	53.	(b)	54.	(c)	55.	(d)
56.	(a)	57.	(a)	58.	(c)	59.	(d)	60.	(b)
61.	(b)	62.	(c)	63.	(b)	64.	(c)	65.	(b)
66.	(c)	67.	(d)	68.	(c)	69.	(a)	70.	(b)
71.	(d)	72.	(c)	73.	(b)	74.	(d)	75.	(a)
76.	(c)	77.	(b)	78.	(d)	79.	(d)	80.	(c)

Dice - Practice Sheet

Solution

- (b) According to the question and options this dice considered as standard dice therefore every opposite surfaces sum will be 7.
Hence, opposite of 3 is 4.
- (b) According to the question and options this dice considered as general or simple dice therefore we cannot determine opposite surfaces but by the basic principle of dice adjacent surfaces will never be opposite each other.
Therefore opposite surface of 1 is 3 or 4 or 6.
- (b) 5 and 2 are the common faces in both the dice, so definitely 3 is opposite to 4.
- (a) 5 and 3 are the common faces in both the dice, so definitely 2 is opposite to 1.
- (c) By the given two figures of a dice we cannot determine that it is a standard dice therefore opposite face of 1 can be 4 or 5 or 6.
- (c) As, 'A' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

A	%	*
A	\$	#
- (c) As A is adjacent to *, %, # and \$, it is opposite to '@' according to options.
- (d) As Red is adjacent to Green, Yellow, Blue and Violet, it is opposite to 'Pink'.
- (c) As, 'Red' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

Red	Green	Blue
Red	Violet	Yellow
- (c) As, 'O' is common face in both the dice, keeping it constant and then moving

in clockwise direction, we get the faces opposite to each other:

O	W	E
O	M	N

- (b) As, '@' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

@	\$!
@	%	*
- (b) As, 'pk' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

pk	bl	ew
pk	ln	Kt
- (a) As, 'O' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

O	W	E
O	M	N
- (c) As, 'pk' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

pk	bl	ew
pk	ln	Kt
- (a) As, '@' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

@	\$!
@	%	*
- (c) As, 'T' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

T	S	Q
T	L	N
- (c) As, '3' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

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3	6	4
3	1	5

18. (a) From the two figures it is clear that the numbers 2, 3, 5 and 6 cannot appear opposite 1. So, 4 appears opposite 1. Therefore, when 4 is at the bottom, 1 will be on the top

19. (a) As, '1' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

1	3	6
1	5	2

20. (a) As, '5' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

5	2	3
5	6	4

21. (b) As, '6' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

6	5	3
6	1	2

22. (a) As, '7' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

7	2	3
7	5	8

23. (a) As, '4' is common face in both the dice, keeping it constant and then moving in anti-clockwise direction, we get the faces opposite to each other:

4	3	6
4	1	5

24. (a) As, 'Y' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

Y	C	X
Y	Z	B

25. (a) The faces opposite to each other in the dice is shown below:

3	1	6
3	4	2

As 3 is adjacent to 1, 4, 6 and 2, it is opposite to 5.

26. (b) The faces opposite to each other in the dice is shown below:

1	5	6
1	3	2

27. (a) As, 'x' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

X	C	A
X	Z	Y

As, 'X' is adjacent to C, Z, A, Y so it is opposite to B according to options.

28. (d) As, '1' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

1	4	3
1	6	2

29. (c) As, '5' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

5	3	2
5	6	4

30. (c) As, '5' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

5	2	6
5	4	1

31. (d) As, '1' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

1	2	6
1	5	3

32. (b) 6 and 2 are the common faces in both the dice, so definitely 2 is opposite to 1.

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33. (b) As, '1' is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

1	5	6
1	3	2

34. (b) As 1 and 3 are common faces in 1st and 3rd dice, so definitely 4 is opposite to 2.
35. (b) In the first two dice, we see that Green and Red are the common faces, so definitely, Blue is opposite to Yellow.
36. (a) In the 2nd and 3rd dice, we see that blue and Red are the common faces, so definitely, Violet is opposite to Green.
37. (b) In the first two dice, we see that Y and Z are the common faces, so definitely, B is opposite to X.
38. (c) The faces opposite to each other in the dice are shown below:
- | | | |
|---|---|---|
| 6 | 2 | 3 |
| 1 | 4 | 5 |
39. (a) In the first two dice, we see that A is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:
- | | | |
|---|---|---|
| A | B | F |
| A | E | C |
40. (b) In the first two dice, we see that # is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:
- | | | |
|---|---|----|
| # | & | \$ |
| # | * | + |
41. (c) In the first and third figures of a dice, we see that 2 dots is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:
- | | | |
|---|---|---|
| 2 | 3 | 1 |
| 2 | 5 | 6 |

Hence, it is clear that opposite of 4 dots is 2 dots.

42. (d) 2 and 1 are the common faces in both first and second figures of the dice, so definitely 3 dots is opposite to 5 dots.
43. (d) In the first two dice, we see that 5 is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:
- | | | |
|---|---|---|
| 5 | 4 | 1 |
| 5 | 6 | 2 |
- Hence, it is clear that opposite of 5 is 3.
44. (b) In the first two dice, we see that A is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:
- | | | |
|---|---|---|
| A | B | F |
| A | E | C |
- Hence, it is clear that opposite of A is D.
45. (c) The symbols of the adjacent faces to the face with symbol * are @, -, + and \$. Hence the required symbol is 8.
46. (d) In the first two dice, we see that 5 point is common face in both the dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other.
- | | | |
|---|---|---|
| 5 | 3 | 2 |
| 5 | 4 | 6 |
47. (b) As the numbers 2, 3, 4 and 5 are adjacent to 6. Hence the number on the face opposite to 6 is 1.
48. (c) From position I and III common face with % is in the same position. Hence according to the rule opposite of '+' sign is sign 'X'.
49. (a) The colors adjacent to yellow are orange, blue, red and rose. Hence violet will be opposite to yellow.
50. (a) The letters of the adjacent faces to the face with letter A, are B, F, C and E. Hence

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D is the letter of the face opposite to the face with letters (A).

51. (b) From the three given figures, it is clear that the 1, 2, 5 and 4 appear adjacent to 3, so none of these can appear opposite 3. Therefore, 6 appears opposite 3.

52. (d) From the 1st and 2nd figure of a dice opposite are

2	4	3
2	1	5

Hence, the numbers that are opposite to each other 2-6, 4-1, 3-5.

So in place of '?' we can't put 2, 4, 1, 6. Now one of them remaining two digits 3 or 5 will take the place of question mark. First we will put 5 and find the opposites with second figure of that dice.

Now opposite surfaces are-

5	6	1
5	2	1

Hence it is clear that 5 is wrong number at place of question mark because 1 can never be opposite of 1. So the right answer is 3.

53. (b) From the 1st and 2nd figure of a dice opposite are

3	1	2
3	4	6

Hence, the numbers that are opposite to each other 2-6, 4-1, 3-5.

So in place of '?' we can't put 2, 6, 5, 3. Now one of them remaining two digits 4 or 1 will take the place of question mark. First we will put 4 and find the opposites with second figure of that dice. Now we get 4 and 6 are common on that two figures therefore 3 is opposite to 5. Which is same as before opposites So the right answer is 4.

54. (c) From figure (i) (ii) and (iv), we conclude that 6, 4, 1 and 2 dots appear adjacent to 3 dots. Clearly, there will be 5 dots on the face opposite the face with 3 dots.

55. (d) From figure (i) (ii) and (iv), we conclude that 6, 5, 2 and 3 appear adjacent to 4. Clearly, 1 will be opposite the face of 4.

56. (a) Since 1, 3, 5 and 6 are adjacent to 2. Therefore, 4 lies opposite 2 i.e. at bottom face of dice (i).

57. (a) Since 2, 3, 6 and 4 are adjacent to 1. Therefore, 5 lies opposite 1. Hence, 1 lies at the bottom face of dice (iii).

58. (c) Since 1, 4, 2 and 5 are adjacent to 6. Therefore, 3 lies opposite 6.

59. (d)

	2	
6	1	3
	4	
	5	

Hence, 1, 5, 3 and 6 are adjacent to 4.

60. (b) From the figure in previous solution, 6 is not adjacent to 3.

61. (b) From the 1st and 2nd figure of a dice opposites are

5	2	3
5	6	1

Hence, the numbers that are opposite to each other 2-6, 3-1, 4-5.

So in place of '?' we can't put 2, 3, 1, 6. Now one of them remaining two digits 5 or 4 will take the place of question mark. First we will put 5 and find the opposites with second figure of that dice.

Now opposite surfaces are-

5	6	1
5	3	2

Hence it is clear that 5 is wrong number at place of question mark because opposites are not matched. So the right answer is 4.

62. (c) From the 1st and 2nd figure of a dice opposites are

1	3	5
1	6	2

Hence, the numbers that are opposite to each other 3-6, 5-2, 1-4.

So in place of '?' we can't put 1, 4, 5, 2. Now one of them remaining two digits 3 or 6 will take the place of question mark.

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First we will put 6 and find the opposites with second figure of that dice.

Now opposite surfaces are-

6	2	1
6	4	5

Hence it is clear that 6 is wrong number at place of question mark because opposites are not matched. So the right answer is 3.

63. (b) From the 1st and 2nd figures of a dice opposites are

6	2	4
6	3	5

Hence, the numbers that are opposite to each other 2-3, 4-5, 1-6.

So in place of '?' we can't put 1, 6, 4, 5. Now one of them remaining two digits 3 or 2 will take the place of question mark. Now from the first and third figures of dice we will check the clock wise rotation with common digits 4 and 6 so we get order is same therefore 2 will come at place of question mark.

64. (c) From the 1st and 2nd figures of a dice opposites are

6	2	4
6	3	5

Hence, the numbers that are opposite to each other 2-3, 4-5, 1-6.

So in place of '?' we can't put 1, 6, 4, 5. Now one of them remaining two digits 3 or 2 will take the place of question mark. Now from the first and third figures of dice we will check the clock wise rotation with common digits 4 and 6 so we get order is not same therefore 3 will come at place of question mark.

65. (b) From the 1st and 2nd figures of a dice opposites are

B	C	A
B	D	F

Hence, the numbers that are opposite to each other C-D, A-F, B-E.

So in place of '?' we can't put A, F, B, E. Now one of them remaining two letters C or D will take the place of question mark. Now from the first and third figures of dice we will check the clock wise rotation with common letters A and B so we get

order is not same therefore D will come at place of question mark.

66. (c) From the 1st and 2nd figure of a dice opposites are-

3	1	2
3	4	6

Hence, the numbers that are opposite to each other 2-6, 4-1, 3-5.

So in place of '?' we can't put 2, 3, 5, 6. Now one of them remaining two digits 1 or 4 will take the place of question mark. First we will put 1 and find the opposites with first figure of that dice.

Now opposite surfaces are-

1	2	3
1	5	6

Hence it is clear that 1 is wrong number at place of question mark because opposites are not matched. So the right answer is 4.

67. (d) As, '2' is common face in both the question figures of a dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

2	3	6
2	5	4

Hence, opposite pairs are- 2 & 1, 3 & 5, 6 & 4. by the basic rule of dice that 'opposite surfaces can never seen together or never hide together' we can eliminate the options. So options a, b, c will be eliminate and the right answer is option D.

68. (c) As, 'B' is common face in both the question figures of a dice, keeping it constant and then moving in clockwise direction, we get the faces opposite to each other:

B	F	A
B	D	E

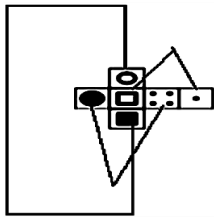
Hence, opposite pairs are- B & C, F & D, A & E. By the basic rule of dice that 'opposite surfaces can never seen together or never hide together' we can eliminate the options. So options a, b, d will be eliminate and the right answer is option C.

Dice - Practice Sheet

69. (a) If 1 is adjacent to 2, 3 and 5, then either 4 or 6 lies opposite to 1. So, the numbers 4 and 6 cannot lie opposite to each other. Hence, 4 necessarily lies adjacent to 6.

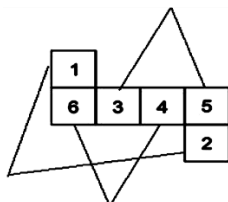
70. (b) If 1 is opposite to 5 and 2 is opposite to 3, then 4 definitely lies opposite to 6. Therefore, 2 cannot lie opposite to any of the two numbers - 4 or 6. Hence, 2 necessarily lies adjacent to both 4 and 6

71. (d)



In option 'd', two opposite faces appear together. So, the cube cannot be formed.

72. (c)



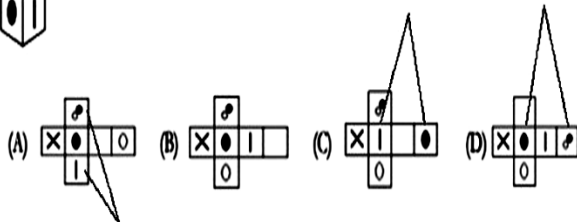
The faces opposite each other given below:

6	3	2
4	5	1

In option 'c', no two opposite faces appear together. So, the cube can be formed.

In options other than c, two opposite faces appear together. So, the cubes cannot be formed.

73. (b)



In options other than b, two opposite faces appear together. So, the cubes cannot be formed.

In option 'b', no two opposite faces appear together. So, the cube can be formed.

74.

(d)

The faces opposite to each other in the dice is shown below:

6	5	1
2	3	4

In option 'd', No two opposite faces appear together. So, the cube can be formed.

In options other than d, two opposite faces appear together. So, the cubes cannot be formed.

75.

(a)

The faces opposite to each other in the dice is shown below:

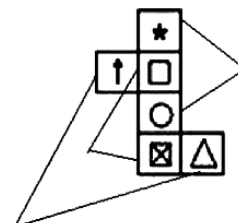
6	5	3
4	1	2

In option 'A', no two opposite faces appear together. So, the cube can be formed.

In options other than a, two opposite faces appear together. So, the cubes cannot be formed.

76.

(c)

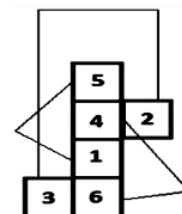


In option 'c', no two opposite faces appear together. So, the cube can be formed.

In options other than c, two opposite faces appear together. So, the cubes cannot be formed.

77.

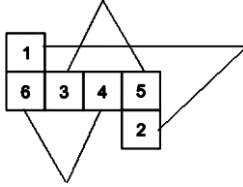
(b)



Dice - Practice Sheet

5, 4, 1 and 6 are adjacent to 2. '3' will be opposite to '2', which means 3 will not be adjacent to '2'.

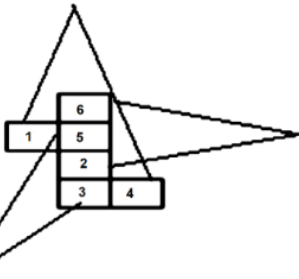
78. (d)



Opposite faces are:

6	3	1
4	5	2

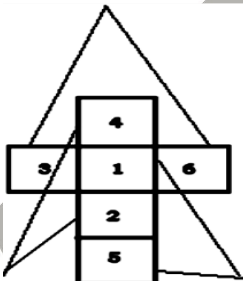
79. (d)



Opposite faces are:

1	6	5
4	2	3

80. (c)



Dice 'c' cannot be formed as 3 and 6 are opposite faces.