Dice & Cubes

Solution

1. **Answer(C):**
As in the case,

 &

are common symbols while

 & are uncommon .
Here symbols will be opposite to each other.

Hence, will definitely by opposite to

symbols .

2. **Answer(D):**
According to question, from figure (i) and (ii)

we can conclude that the symbols , ,

 and appear adjacent to the symbol

' '.

Now, we can rotate clockwise from symbol

 ', we get

i.e. ⇒ (opposite)

So, ' ' will be the opposite symbol of '

'.

3. **Answer(B):**

4. **Answer: (B)**
As we can see in 2nd and 3rd cube Q are adjacent to X, P, Z are S. adjacent to S.
Therefore now only R left which is opposite to Q.

5. **Answer: (D)**
As we can see in 2nd and 3rd cube G, B and W, Y are adjacent to R.
Therefore now only C left which is opposite to R.

6. **Answer: (A)**
'*' symbol is common in both dice. So, considering the '*' symbol as constant we

move in clockwise direction to obtain the face opposite to other symbols.

Dice 1	*	%	&
Dice 2	*	$	^

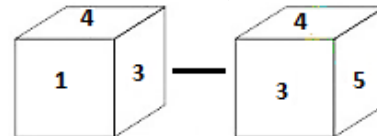Hence, '^' symbol is opposite to the face showing '&'.

7. **Answer: (A)**
It is clear from figures that both 5 and 6 lie adjacent to 9.
Hence, the opposite of 5 would be 6.

8. **Answer: (B)**
If we rotate first dice such that, 2 comes at bottom, then the position of both dices would be as shown below,

From the above diagram, we can say that 2 is opposite to 4 and 1 is opposite to 5.
Hence, 5 is the correct answer.

9. **Answer: (D)**
From 1st and 2nd Dices, we can see that ↑, =, +, and % are adjacent to '*'
Hence, only one symbol is remaining, that is '&'
Hence, '&' will come opposite to face containing '*'.

10. **Answer: (B)**
From first and 2nd dice we can conclude that U, S, R and Q are adjacent to P,
Opposite to P ⇒ T
From above statement we can eliminate option U and P, P and S, R and P
Therefore only option left is Q and R.
Hence, Q and R will come on face marked '1' and '2'.

11. **Answer: (A)**
By observing We can easily eliminate option 2 and option 3.

Option 4 cannot be the opposite as, △, ■, and △ are adjacent to each other.
Hence, option 1 is the correct answer.

12. **Answer: (C)**
By looking at given cubes we get that
3 will be opposite of 1
5 will be opposite of 2
6 will be opposite of 4
(1 and 2) → 1 cannot be adjacent of 3.
(6 and 1) → 1 cannot be adjacent of 3
(4 and 2) → This is the correct answer.
(5 and 2) → 2 cannot be adjacent to 5.
Hence, '4 and 2' is the correct answer.

13. **Answer: (D)**
From diagram we can see that 7 and 8 are adjacent to 9.
4 or 6 will be opposite of 9.
Hence, option 4 is the correct answer.

14. **Answer: (A)**
From diagram we can see that 'θ' and 'β' are adjacent to 'α'
Hence' γ 'will be opposite to 'α'
Hence, option 1 is correct.

15. **Answer: (D)**
According to the 1st box and 3rd box, R and X are opposite to B and G. So, 'X' will come opposite to face containing 'R'.

16. **Answer: (D)**
1, 2, 4, and 6 are adjacent to 5.
Hence, 3 is opposite to 5.
4 is to the right of 5 in the first dice

Therefore 6 is to the left of 5 in the second dice.
Hence, the correct answer is 4.

17. **Answer: (A)**
1, 4, 5 and 6 are adjacent to 3. Therefore, 2 is opposite to 3.
If we change the second position in such a way that 5 is at the bottom, we observe that
1 is to the left of 3 and 4 is to the right of 3.
Hence, the correct answer is 1.

18. **Answer: (A)**
The pattern followed here is:
After rolling the first dice such that the position of 2 is same as that in the second dice and 6 is at the bottom, we notice that 3 is to the right of 2 and 4 is to the left of 2 in the second dice.
Hence, the correct answer is 4.

19. **Answer: (B)**
2, 3, 4 and 6 are adjacent to 1.
From the positions of the dice we conclude that 6 is at the left of 1 and 4 is at the right of 1.
Hence, the correct answer is '4'.

20. **Answer: (C)**
1, 2, 4 and 5 are adjacent to 6 as per the first and the second dice.
Thus, there are 2 choices for 5 in dice 1: either adjacent to 4 (opposite to 2) or opposite to 4.
As per the third dice, 4 and 5 are adjacent to each other.
Hence, 5 is the number opposite to 2.