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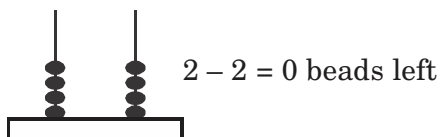
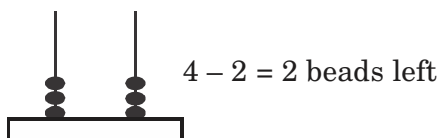
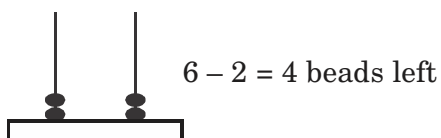
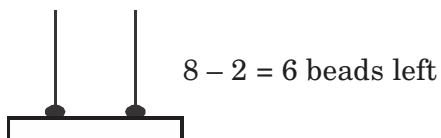


UNIFIED CYBER OLYMPIAD - UC 329

Solutions for class : 2

Mental Ability

- (D) $4 \times 8 = 32$
 $= 16 + 16$
 $= 2 \times 8 + 16$
 \therefore The missing number is 8
- (B) The given figure has 2 triangular surfaces and 3 rectangular surfaces.
- (D) In 98, 8 is the 1st digit from right hand side. It is the digit at the once place.
- (A) There are 8 beads and 2 sticks in the stand.
 Now, we will fix the beads equally in each stick.



- (A) Given, bank opens at 7 : 30 am.
 Time at which Elia arrived at the bank
 $= 7 : 10$ am
 \therefore Waiting time of Elia = 7 : 30 am - 7 : 10 am
 $= 20$ minutes

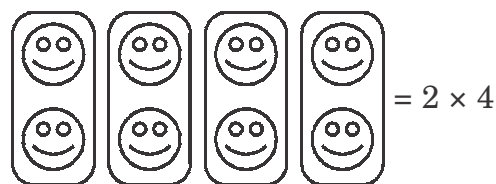
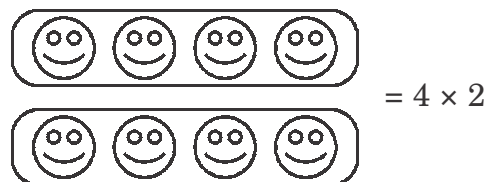
- (B) Given ,



Since $4 \times 3 = 12$



- (C) Weight of Zoya and puppy = 65 kilograms and weight of puppy = 4 kilograms
 Weight of Zoya = Weight of Zoya and puppy - Weight of puppy
 $= 65 - 4 = 61$ kilograms.
- (A) We have,



Hence, two multiplication sentences are 4×2 and 2×4

- (B) We know that the measurements on scale starts from 0.

So, the length of the scale is 7 centimetres as shown below

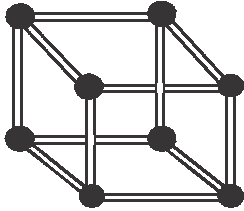


10. (B) The fraction $\frac{2}{3}$ means the whole is divided in 3 equal parts. 2 parts are taken. In figure (B) 3 rows of 3 equal – sized toy cars are there. 2 rows in the box. So (B) is correct option.

11. (B) We have,

Increase in height of tree from March to April = $50 - 20 = 30$ centimetres.

12. (D) The figure is as follows



So, Vivyan will need 12 straws and 8 balls of clay.

13. (A) Half an hour before 11: 00 and = 10: 30

One hour after 10: 30 a.m. = 11: 30 a.m.

∴ Meera left the supermarket at 11: 30 a.m.

14. (C) Eighty nine = 89

9 more than 72 = 81

8 tens 2 ones = 83

2 less than 84 = 82

∴ Option (B) has the smallest value.

15. (B) $45 \div 5 = 9$

0 is less than 30 is $30 - 9 = 21$.

Reasoning

16. (B) In figure (B), three circles and one square are given, while in all others two circles and two squares are given. So, option (B) is different from others.

17. (B) The given figure is hidden in option (B) as shown in figure.



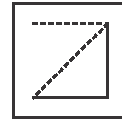
Hence, option (B) is correct.

18. (C) Each figure repeats itself after every four figures in the given pattern.

So, the next figure will be

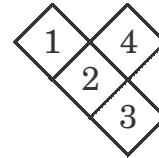


19. (A) Figure (A) is hidden in the given figure (X) as shown in adjacent figure.



Hence, option (A) is correct.

20. (D) Only option (D) contains exactly four squares.



21. (B) From figure first to second, the shaded element becomes unshaded and unshaded element becomes shaded.

So, figure in option (B) will complete the second pair.

22. (D) In figure (D), both the small squares are at same side, while in all other figures both are at opposite sides. So, option (D) is odd figure.

23. (D) The pattern is as follows

In figure 1, $4 \times 5 = 20$

In figure 3, $7 \times 5 = 35$

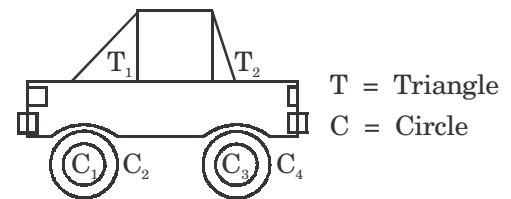
Similarly, in figure 2, $5 \times 5 = \boxed{25}$

24. (A) Each shape repeats itself after every four figures.

So, the next figure will be



25. (A)



T = Triangle

C = Circle

So, there are 2 triangles and 4 circles in the given figure.

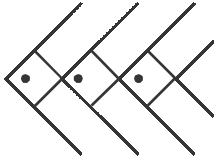
26. (D) First figure is flipped down to get the second figure.

So, figure in option (D) will complete the second pair.

27. (B) Option (B) is hidden in the given figure (X) as shown below

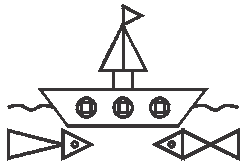


28. (C)



So, there are 3 squares in the given figure.

29. (A) The given shape is hidden in the figure in option (a) as shown in adjacent figure.



30. (B) As, $7 \times 4 = 28$

Similarly, $9 \times 6 = \boxed{54}$

So, 54 is the missing number.

Computers

31. (B)
32. (D)
33. (D)
34. (A)
35. (A)
36. (B)
37. (A)
38. (A)
39. (A)
40. (B)
41. (C)
42. (D)
43. (C)
44. (D)
45. (A)

English

46. (C)
47. (C)
48. (C)
49. (B)
50. (A)