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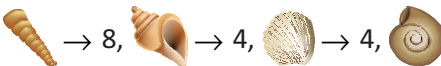



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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION - 2015 (UPDATED)

Paper Code: UN412

Solutions for Class : 1

Mathematics

1. (B)  → 8,  → 4,  → 4,  → 3

Hence  is more in number.

2. (D) 2 Groups of 5 candles → 10 candles

Option (A): $2 \times 5 = 10$

Option (B): 2 fives = $2 \times 5 = 10$

Option (C): $5 + 5 = 10$

Option (D): $5 - 2 = 3$

3. (B) Option (A): → 4 flowers

Option (B): → 5 flowers

Option (C): → 4 flowers

Option (D): → 3 flowers

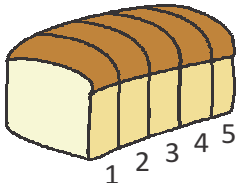
Hence option (B) has more than 4 flowers.

4. (C) 2 lady bugs → $2 \times 6 = 12$ legs

1 spider → $1 \times 8 = 8$ legs

Total a 20 legs

5. (B) **1 hour after half past 7 is half past 8.**

6. (C) 

7. (D) **8, 6, 5, 3, 2** are in correct order.

8. (C) Option (A): 3 tens 4 ones = 34

Option (B): 4 tens = 40

Option (C): 1 ten 9 ones = 19

Option (D): 2 tens 5 ones = 25

19 is the smallest number.

9. (C) $9 - 1 = 8$; $6 + 2 = 8$

$$5 + 3 = 8; 7 + 1 = 8$$

$$10 - 2 = 8$$

10. (D) Option (A): $10 + 10 + 50 = 70$

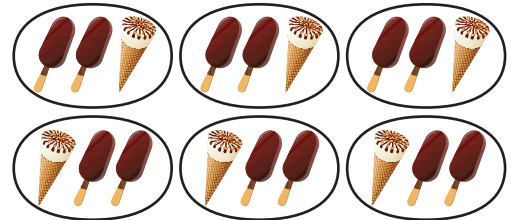
Option (B): $10 + 10 + 10 = 30$

Option (C): $5 + 5 + 10 = 20$

Option (D): $100 + 50 + 50 = 200$

Hence costliest toy is the **bus**.

11. (C)



There are 3 in each group.

12. (B) Greatest number = 7

$$\text{Smallest number} = 2$$

$$\text{Sum} = 9$$

Hence sum of the two numbers is **9**.

13. (A) $5 + 12 = 17$

Hence, 12 cupcakes are required.

14. (D) 

8:00

6:03

4:00

12:30

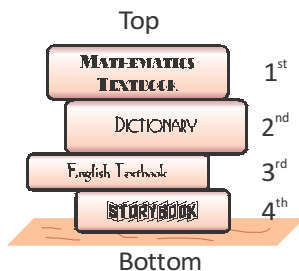
15. (D) ONE, TWO, SIX

Hence there are **3 three letter words** from 0 to 9.

16. (B) $1 + 3 = 4$

I will be in **4th class**.

17. (D)



18. (C) Note: Heads of all children are at equal positions.

Anu is 6 tall.

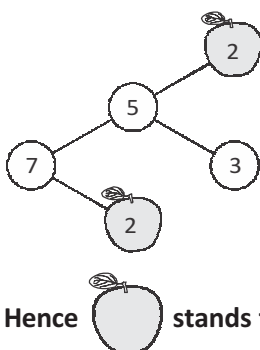
Varsha is 5 tall.

Hari is 7 tall

Jyoti is 5.5 tall

Hari is the tallest.

19. (B)



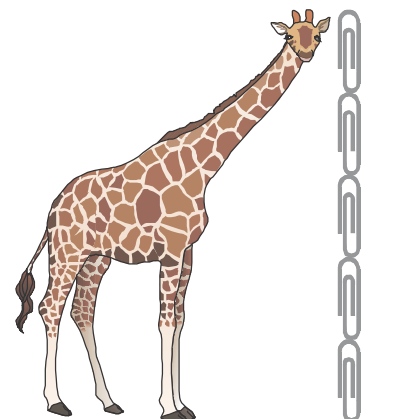
20. (B) There are 4 books in the rack.
6 more are required to make 10.

21. (A) $40 + 40 = 80$
Hence Raju can buy maximum of **2 toys** of 40 each.

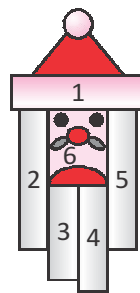
22. (A)



23. (C)



24. (D)



There are **6 rectangles**.

25. (C) Option (A): February → 28 or 29 days

Option (B): April → 30 days

Option (C): July → 31 days

Option (D): September → 30 days

Hence, **July** is only possible option.

General Science

26. (C) Rabbit lives in a burrow, it is called a burrowing animal.

27. (B) Windvane or a weather cock shows the direction of wind.

28. (B) Sugarcane juice can be used as a substitute for sugar to give sweet taste to the drink.

29. (C) The Kite is a non-living thing.

30. (D) A tortoise is an animal. Animals move from one place to another in search of food.

31. (C) Pomegranate fruit seeds are edible.

32. (D) A goat is a domestic animal. It gives us milk and meat.

33. (D) A rock is a non-living thing. Non-living things do not grow.

34. (D) A tomato is the fruit part of the plant.

35. (D) In the given figure a fish is present below the lilypad.

36. (B) The given sunflower plant is 8 blocks tall.

37. (A) Sour taste is experinced at part marked 'X' as in the given figure.

38. (B) A cat and rabbit have hair in the form of fur.

39. (C) A fish is an aquatic animal.

40. (B) The picture graph in 'B' option is correct.