Basic Arithmetic and Reasoning Questions

1. The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago ?

A.71 years
B.72 years
C.74 years
D.77 years

Answer: Option A

2. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?

A.Rs. 4, Rs. 23
B.Rs. 13, Rs. 17
C.Rs. 15, Rs. 14
D.Rs. 17, Rs. 13

Answer: Option B

3. An institute organised a fete and 1/5 of the girls and 1/8 of the boys participated in the same. What fraction of the total number of students took part in the fete ?

A.2/13
B.13/40
C.Data inadequate
D.None of these

Answer: Option C

4. A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was

A.8
B.12

C.16
D.24

Answer: Option A

5. A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have ?

A.22
B.23
C.25
D.35

Answer: Option C

6. A pineapple costs Rs. 7 each. A watermelon costs Rs. 5 each. X spends Rs. 38 on these fruits. The number of pineapples purchased is

A.2
B.3
C.4
D.Data inadequate

Answer: Option C

7.A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

A.23 years
B.34 years
C.45 years
D.None of these

Answer: Option C

8. A girl counted in the following way on the fingers of her left hand : She started by calling the thumb 1, the index finger 2, middle finger 3, ring finger 4, little finger 5 and then reversed direction calling the ring finger 6, middle finger 7 and so on. She counted upto 1994. She ended counting on which finger ?

A.Thumb
B.Index finger
C.Middle finger
D.Ring finger

Answer: Option B

9. A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?

A.45
B.60
C.75
D.90

Answer: Option D

10. What is the product of all the numbers in the dial of a telephone ?

A.1,58,480
B.1,59,450
C.1,59,480
D.None of these

Answer: Option D

11. In a class, there are 18 boys who are over 160 cm tall. If these constitute three-fourths of the boys and the total number of boys is two-thirds of the total number of students in the class, what is the number of girls in the class ?

A.6
B.12
C.18
D.24

Answer: Option B

12. A father is now three times as old as his son. Five years back, he was four times as old as his son. The age of the son (in years) is

A.12
B.15
C.18
D.20

Answer: Option B

13. A waiter's salary consists of his salary and tips. During one week his tips were 5/4 of his salary. What fraction of his income came from tips ?

A.4/9
B.5/4
C.5/8
D.5/9

Answer: Option D

14. If you write down all the numbers from 1 to 100, then how many times do you write 3 ?

A.11
B.18
C.20
D.21

Answer: Option C

15. If 100 cats kill 100 mice in 100 days, then 4 cats would kill 4 mice in how many days ?

A.1 day

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B.4 days
C.40 days
D.100 days

Answer: Option D

16. A is three times as old as B. C was twice-as old as A four years ago. In four years' time, A will be 31. What are the present ages of B and C ?

A.9, 46
B.9, 50
C.10, 46
D.10, 50

Answer: Option B

17. Today is Varun's birthday. One year, from today he will be twice as old as he was 12 years ago. How old is Varun today ?

A.20 years
B.22 years
C.25 years
D.27 years

Answer: Option C

18. A bird shooter was askgd how many birds he had in the bag. He replied that there were all sparrows but six, all pigeons but six, and all ducks but six. How many birds he had in the bag in all?

A.9
B.18
C.27
D.36

Answer: Option A

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19. Mr. Johnson was to earn £ 300 and a free holiday for seven weeks' work. He worked for only 4 weeks and earned £ 30 and a free holiday. What was the value of the holiday?

A.£ 300
B.£ 330
C.£ 360
D.£ 420

Answer: Option B

20. What is the smallest number of ducks that could swim in this formation - two ducks in front of a duck, two ducks behind a duck and a duck between two ducks ?

A.3
B.5
C.7
D.9

Answer: Option A

21. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?

A.48
B.44
C.42
D.40

Answer: Option C

22. A shepherd had 17 sheep. All but nine died. How many was he left with ?

A.Nil
B.8
C.9
D.17

Answer: Option C

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23. In a family, the father took 1/4 of the cake and he had 3 times as much as each of the other members had. The total number of family members is

A.3
B.7
C.10
D.12

Answer: Option C

24. In three coloured boxes - Red, Green and Blue, 108 balls are placed. There are twice as many balls in the green and red boxes combined as there are in the blue box and twice as many in the blue box as there are in the red box. How many balls are there in the green box ?

A.18
B.36
C.45
D.None of these

Answer: Option D

25. In a cricket match, five batsmen A, B, C, D and E scored an average of 36 runs. D Scored 5 more than E; E scored 8 fewer than A; B scored as many as D and E combined; and B and C scored 107 between them. How many runs did E score ?

A.62
B.45
C.28
D.20

Answer: Option D

26. The total number of digits used in numbering the pages of a book having 366 pages is

A.732
B.990
C.1098
D.1305

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Answer: Option B

27. In a family, each daughter has the same number of brothers as she has sisters and each son has twice as many sisters as he has brothers. How many sons are there in the family ?

A.2
B.3
C.4
D.5

Answer: Option B

28. At a dinner party every two guests used a bowl of rice between them, every three guests used a bowl of dal between them and every four used a bowl of meat between them. There were altogether 65 dishes. How many guests were present at the party ?

A.60

B.65
C.90
D.None of these

Answer: Option A

29. Ayush was born two years after his father's marriage. His mother is five years younger than his father but 20 years older than Ayush who is 10 years old. At what age did the father get married ?

A.23 years
B.25 years
C.33 years
D.35 years

Answer: Option A

30. A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C to D?

A.2
B.3

C.6
D.12

Answer: Option C