Ability Test Answer Sheet

1. Answer: B) 24 Explanation:
   Let the numbers be 3x, 3x + 3 and 3x + 6.
   Then,
   3x + (3x + 3) + (3x + 6) = 72
   9x = 63 x
   = 7
   Largest number = 3x + 6 = 27.

   => Second largest number = 27 - 3 =24
   .

2. Answer: A Solution:
   Explanation Option [a] is correct because triangle rotates one step clockwise in every next figure following the same logic option [a] will come in place of next (4th) figure. Rest of the options is incorrect because of the correctness of option [a].

3. Answer: C) 20 Explanation:
   Clearly, From 1 to 100, there are ten numbers with 3 as the unit's digit - 3, 13, 23, 33, 43, 53, 63, 73, 83, 93 and ten numbers with 3 as the ten's digit - 30, 31, 32, 33, 34, 35, 36, 37, 38, 39.

   So, required number = 10 + 10 = 20.

4. Correct Answer: D
   Solution:
   : The relationship is x is that related to 8 + x
   8+x=28
   8+20=28
   Therefore, 27+x=47
   27+20=47

5. Correct Answer: B

Solution:

Explanation Option [b] is correct. Area of the square =64cm2.
Hence, (Side) 2=64.Side=64−−√=8cm.
Thus the perimeter of the square = 4×8=32cm.

6. Answer: D) 120 rolls

Explanation:
Number of cuts made to cut a roll into 10 pieces = 9.

Therefore, required number of rolls = (45 x 24)/9 = 120.

7. Answer: D) 25 Explanation:
Let Val's age today = x years.
Then, Val's age after 1 year = (x + 1) years.
Therefore x + 1 = 2 (x - 12) => x + 1 = 2x - 24 => x = 25.

8. Answer: D) 41 Explanation:
We can get this by any of two explanations.
Answer 1: 41
7 = 3 + 4 = 34
Similarly, 5 = 4 + 1 = 41
Answer 2 : 41
7 - 3 = 4 => 34
Similarly, 5 - 4 = 1 => 41

9. Correct Answer: D

Explanation Option [d] is correct because figure rotates one step anticlockwise in every next figure following the same logic option [d] will come in place of next (4th) figure. Rest of the options is incorrect because of the correctness of option [d].

10. Answer: C) Solution:

ABCD **E** F G H **I** J K L M N O P Q R S T U VWXYZ

Explanation**:**

Option [c] is correct because the fourth number to the left of **I** is **E** and the sixteenth letter to the right of **E** is **U**. Rest of the options is incorrect because of the correctness of option [c].Let the number of boys and girls participating in sports be 3x and 2x respectively.

11. Answer: C)

Then, 3x = 15 or x = 5.

So, number of girls participating in sports = 2x = 10.

Number of students not participating in sports = 60 - (15 + 10) = 35.

Let number of boys not participating in sports be y. Then, number of girls not participating in sports = (35 -y).

Therefore (35 - y) = y + 5 <=>n2y<=> 30<=> y = 15.

So, number of girls not participating in sports = (35 - 15) = 20.

Hence, total number of girls in the class = (10 + 20) = 30.

12. Answer: B

Solution: 4.15 x 0.021 = 0.08715

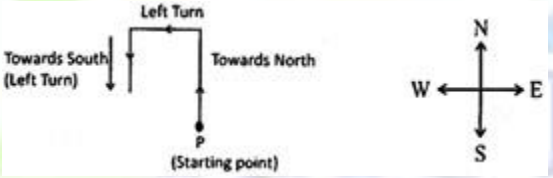
O	.	T	H	TH	TT	HT

0	.	0	8	7	1	5

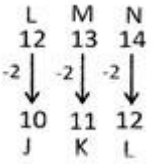
13. Answer: A) 23 years

Explanation:
Andrew's present age = 10 years.
His mother's present age = (10 + 20) years = 30 years.
Andrew's father's present age = (30 + 5) years = 35 years.
Andrew's father's age at the time of Andrew's birth = (35 - 10) years = 25 years.
Therefore Andrew's father's age at the time of marriage = (25 - 2) years = 23 years.

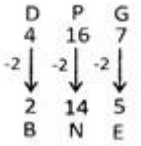
14. Answer: B Solution: L+L+W+W
36+36+24+24 = 120

15. **Correct Answer:** D
Explanation Option [d] is correct. Let us see: 

Clearly, Pinky is looking towards South. Rest of the options is incorrect because of the correctness of option [d].

16. Correct Answer: A
Explanation Option [a] is correct because letters are coded two places backward. Let us see: Code for 'LMN': 

Similarly, Code for



'DPG': Clearly, code for 'DPG' is 'BNE'. Rest of the options is incorrect because of the correctness of option [a].

17. Correct Answer: A
Explanation: Option [a] is correct. It is clear from the given bar graph that 25 families have 4 members.

18. Correct Answer: D
Explanation Option [d] is correct. It is clear from the given bar graph that 20 families have 5 members

19. Correct Answer: B Solution:
: The numbers are 1 + 2,1 + 2 + 3,1 +2+3+4, 1+2+3+4+5 i.e., 1,3,6,10,15

20. Answer: A) 6555
Explanation**:** Candidates passed in at least four subjects
= (Candidates passed in 4 subjects) + (Candidates Passed in all 5 subjects)
= (Candidates failed in only 1 subject) + (Candidates passed in all subjects) =
(78 + 275 + 149 + 147 + 221) + 5685 = 870 + 5685 = 6555

21. Answer: D
Explanation Option [d] is correct because it is clear that my (Shaun's) mother's husband is Shaun's father and, clearly, mother of father is paternal grandmother. Rest of the options is incorrect because of the correctness of option [d].

22. Answer B
Explanation: Option [d] is correct because it is the only figure that correct completes the figure.

23. Answer: C

Explanation Option [c] is correct because 1/2+2=2 1/2=5/2.

24. Answer: B

Solution: 250g+250g=500g

100g+500g+500g=1100g

500g+1100g=1600g

If the iron box =1300g

:-1600g-1300g=300g

300g/4=75g

25. Answer: D

Explanation Option [d] is correct. The given figure is a regular octagon so it can have eight lines of symmetry.

26. Answer: B 7:20

Solution:

Ashley left his house at = 6:40 a.m.
Reached Kim's house within =0:25 min.
Time for breakfast = 0:15 min
Time at which they left for their officer = 6:80 = 7:20 a.m.

27. Answer: C 30

Solution: Let the positive integers be 5 and 6

=5+6=11

= 5x 6=30

28. Answer: C 90

Solution: The first four multiples of 9 are:

9 x 1= 9
9x 2= 18
9X3=27
9x4=36

36+27+18+9 = 90
=5+6=11
= 5x 6=30

29. Correct Answer: C Solution:
MANGO : A kind of fruit

30. Correct Answer: C 10
Explanation: Count all the straight lines on the diagram.

31. Correct Answer: D
Solution:
Reverse order series.

32. Correct Answer: A
Solution: 20+3=23
15+3=18
23+18+41
70-41=29
29-3=26
Explanation: If Val current age is 20 and Vicky is 5 years younger, Vicky's current age is 15. Their age 3 years from now will be 23 and 18. If the sum on all three of their age is 70, then 23+18=41, 70-41 =29. Therefore Garth's age in 3 years will be 29, his current age is 29-3=26.

33. Correct Answer: D

Solution:

: A B

C

L C D

I

C D Number of such C's is five.

: Add the numbers of horizontal, vertical and slanting lines.

34. Correct Answer: A

Solution:

Except [a], in all other figures have only straight lines.

35. Correct Answer: D

Solution:

Explanation Option [d] is correct because this is a well-known fact that 'Book' is a thing to 'Read' but here, 'Book' has been called 'Salt'. Therefore, in this case, we will definitely read 'Salt'. Rest of the options is incorrect because of the correctness of option [d].

36. Correct Answer: A

Solution 10:16

10/2=5

16/2=8

:- 5:8

37. Correct Answer: D

Solution: 1.21 kg + 2.03 kg + 1.73 kg+4.49 kg = 9.46 kg

38. Correct Answer: C

56/7=8

8+8 = 16

7+7=14

16+14 = 30 cm

39. Correct Answer: C

Solution:

3+4=7 and

72=49

8+5=13 and

132=169

11+12=23and

232=529

Similarly,

10+9=19 and

192=361

40. Correct Answer: C Solution: 5x 12

=60

144x100=14400

14400/60= 240