

Bloom Reasoning Olympiad Sample Paper 1

Maximum Time : 60 Minutes

Maximum Marks : 35

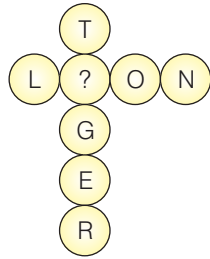
INSTRUCTIONS

1. There will be 35 Multiple Choice Questions in this paper, carrying 1 mark each.
2. Each question has Four Options out of which **ONLY ONE** is correct.
3. All questions are compulsory.
4. There is no negative marking.
5. No electronic devices capable of storing and displaying visual information such as calculator and mobile are allowed during the course of the exam.

School Name

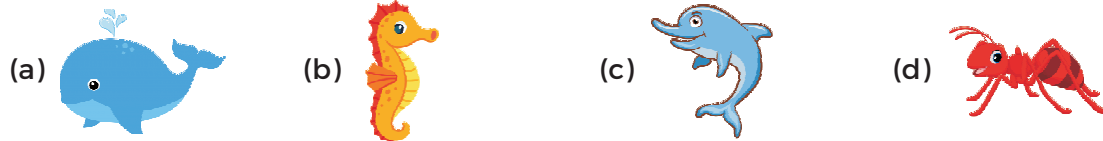
Student's Name

1. Find the letter from the given alternatives that form two names of animals when replaced with question mark (?).

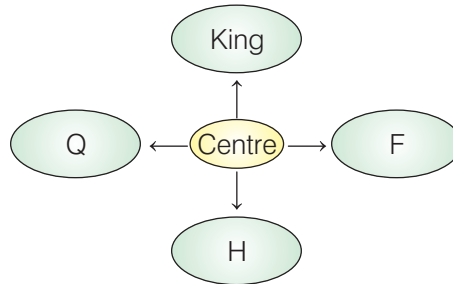


- (a) F (b) I (c) A (d) B

2. From the given alternatives, find which one is different from others.



3. King is standing in which direction?



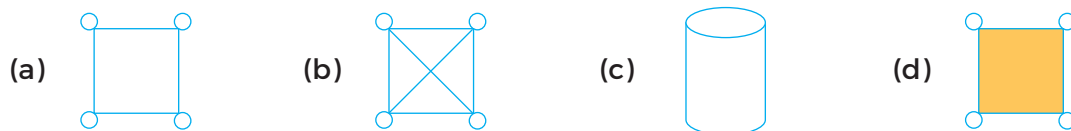
- (a) East (b) North (c) South (d) West

4. If is coded as , is coded as and is coded as .

Then what is the code for ?



5. Identify the relation between the objects in the first pair and then find the object that will replace the question mark.






6. How many pens are between Pen F and Pen K?



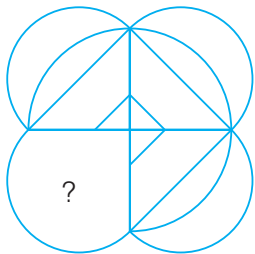
- (a) 5
- (b) 4
- (c) 2
- (d) 3

7. Below are shown some pictures following a pattern. Based on that find the missing figure.



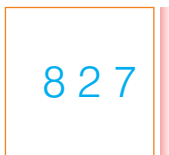
- (a) 
- (b) 
- (c) 
- (d) None of these

8. Identify the figure from the options that will complete the given pattern.



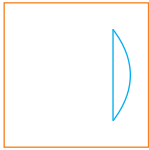
- (a) 
- (b) 
- (c) 
- (d) 

9. The given numbers are written on a wall. The mirror image of the numbers will be

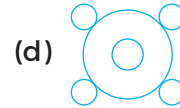
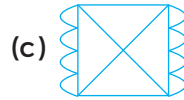
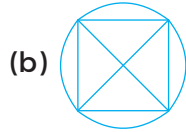
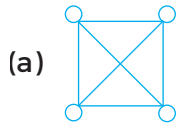


- (a) 
- (b) 
- (c) 
- (d) 

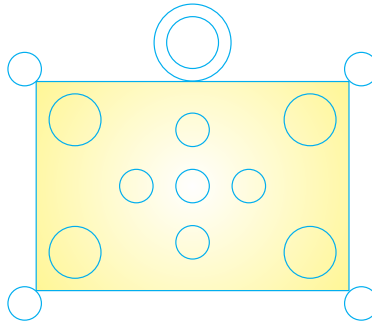
10. In which of the following pictures the given shape (X) is hidden?



(X)



11. A figure shown below is drawn on a wall. Find the number of circles in the given figure.



(a) 16

(b) 14

(c) 18

(d) 15

12. Select the figures below carefully and find the missing figure represented by question mark(?)

L	F	E
∧	△	□
V	A	?

(a) M

(b) △

(c)

(d) Z

13. What should come in place of question mark such that the second pair follows the same pattern which first pair follows?



(a) H-Eight

(b) I-Nine

(c) J-Ten

(d) K-Eleven

14. Which number does not belong to the group?

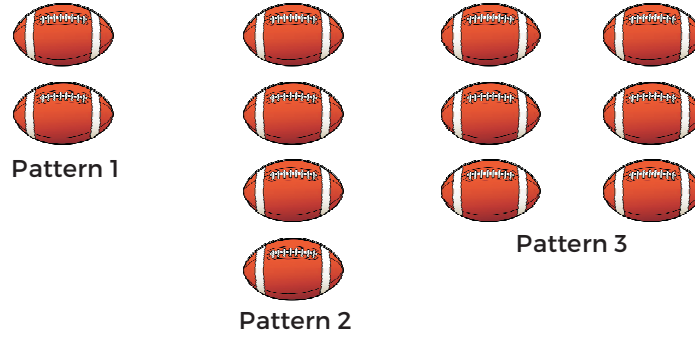
(a) 246

(b) 314

(c) 224

(d) 338

15. The balls shown below are grouped in patterns 1, 2 and 3. Find the number of balls in pattern 4.



- (a) 7 (b) 8 (c) 9 (d) 10

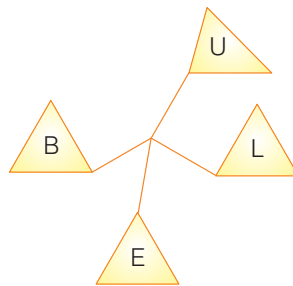
16. Some letters and their codes are given in the table below.

Letters	P	Q	S	U	T	R	M	L	O	J	A
Codes	6	t	b	v	m	+	z	8	2	#	≠

What is the code of PARROT?

- (a) $6 + m 2 + 8$ (b) $6 ++ \neq m 2$ (c) $6 \neq b v + z$ (d) $6 \neq ++ 2 m$

17. Four letters are shown below.



Arrange them in a way that they form a meaningful word and find its category.

- (a) Animal (b) Colour (c) Vehicle (d) Fruit

18. In a cricket match Ram scored more than Kamal and Jatin scored more than Ram. Who scored highest runs among these three?

- (a) Ram (b) Kamal (c) Shyam (d) Jatin

19. Two letters are written on a wall. How will the letters appear when we put a mirror in front of the wall?

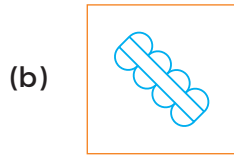
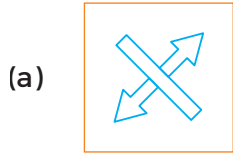


- (a) (b) (c) (d)

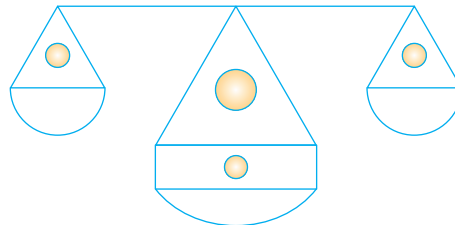
20. In which of the following figure the given shape (X) is hidden?



(X)



21. Find the number of straight lines in the given figure.



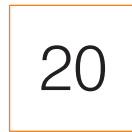
(a) 12

(b) 14

(c) 13

(d) 15

22. Find the number which will complete the second pair in the same way as the first pair.



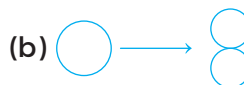
(a) 25

(b) 24

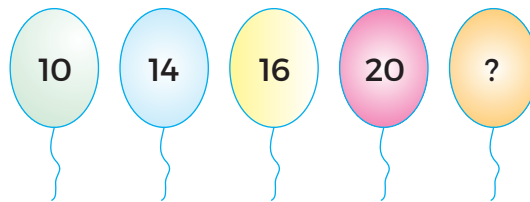
(c) 26

(d) 27

23. Identify the one which does not belong to the group.



24. Which number will come in place of question mark (?)



(a) 24

(b) 26

(c) 22

(d) 28

25. If 'DANI' is written as '2468' and 'NANI' is written as '1468'. Then what is the code for 'ANI'?

(a) 864

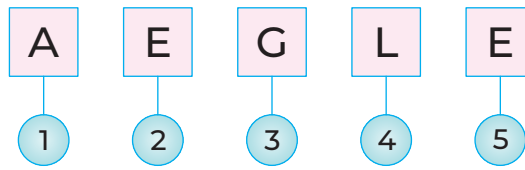
(b) 486

(c) 846

(d) 468

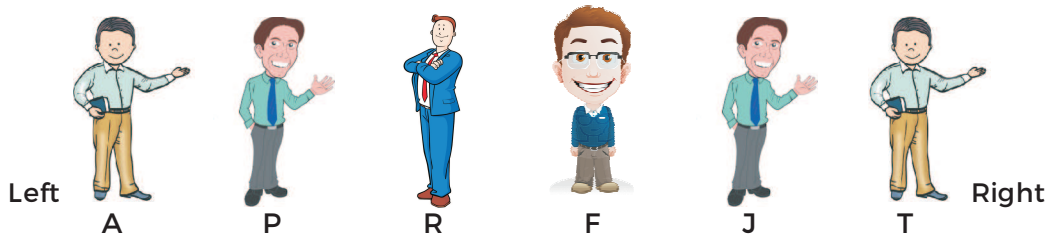
26. Figure shown below consists of letters and numbers below them. Arrange them in a way that they form a meaningful word and find the combination of numbers of the word so formed.

Hint The word starts with 'E' and ends also with 'E'.



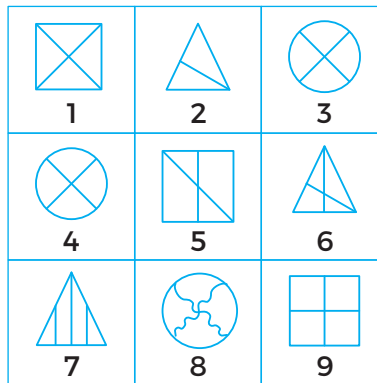
- (a) 5 4 3 1 2 (b) 2 3 4 1 5 (c) 2 1 4 3 5 (d) 5 1 3 4 2

27. Who is third to the left of man-F?



- (a) P (b) T (c) A (d) R

28. Group the given figures into three classes using each figure only once.



- (a) 1, 7, 9; 2, 5, 6; 3, 4, 8 (b) 1, 5, 6; 2, 7, 9; 3, 4, 8
 (c) 1, 5, 9; 2, 6, 7; 3, 4, 8 (d) 1, 5, 9; 2, 3, 6; 3, 7, 8

29. Which number does not belong to the group?

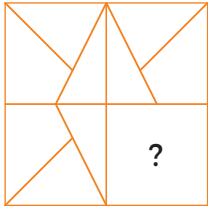
- (a) 17⇒6 (b) 12⇒1 (c) 45⇒1 (d) 36⇒4

30. Which letter will end the first word and start the second word?

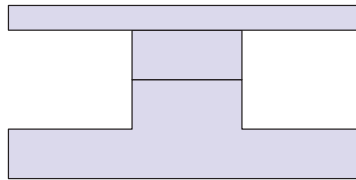


- (a) F (b) D (c) G (d) E

31. Which of the following options will complete the given pattern?



32. Find the number of straight lines.



(a) 12

(b) 14

(c) 10

(d) 11

33. Identify that does not belong to the group.



34. If 'AFK' is coded as 'BGL' and 'CRD' is coded as 'DSE', then what is the code for 'HTM'?

(a) IWK

(b) IUN

(c) IVM

(d) JLU

35. Choose the category of the word so formed after arranging the given letters.



(a) Fruit

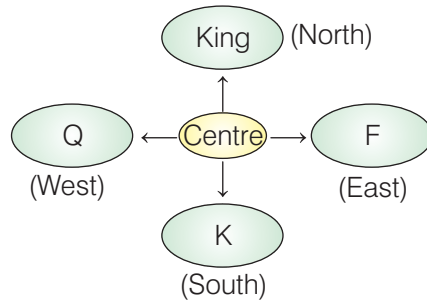
(b) Flower

(c) Vegetable

(d) Colour

Solutions

- (b) Letter 'l' will replace the question mark (?) and form two names of animals, which are 'LION' and TIGER.
- (d) Except ant, all other are aquatic animals.
- (b) The directions of the persons can be shown as



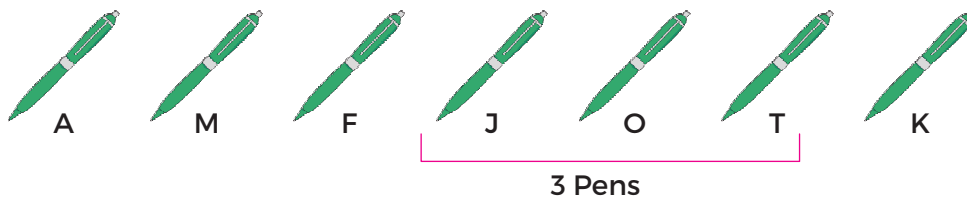
Hence, King is standing in North direction.

- (c) As, mango is coded as apple and apple is coded as table.

So, the code for   is  .

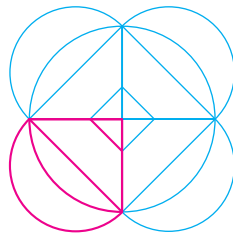
- (a) In first pair, only circles are added at corners.
In second pair, only circles will be added at the corners.
Hence, option figure (a) is correct.

- (d) According to question,



So, there are 3 Pens between Pen F and Pen K.

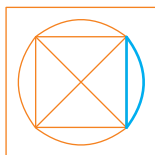
- (c) The first and fourth pictures are same. So the missing figure should be same as first picture as shown in option (c).
- (c) Option figure (c) will complete the given figure as shown below :



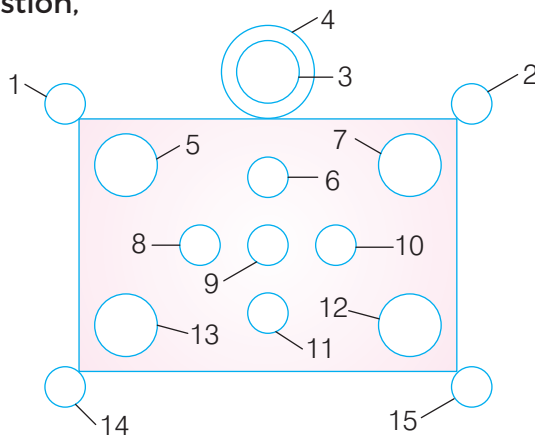
9. (d) The correct mirror image of the numbers is given in option (d) as shown below :



10. (b) The figure (X) is hidden in option figure (b) as shown below :



11. (d) According to the question,



Hence, there are 15 circles in the given figure.

12. (a) In each row, figures of 2, 3 and 4 lines are drawn respectively.

Hence, the letter **M** with 4 lines as in option (a), will replace the question mark.

13. (a) As,

D	→	Four (Positional Value of D)
Next Letter	↓	
E	→	Five (Positional Value of E)

Similarly,

G	→	Seven (Positional Value of D)
Next Letter	↓	
H	→	Eight (Positional Value of H)

Hence, H-Eight will complete the second pair.

14. (d) As, $2 + 4 = 6$.

$$3 + 1 = 4 \text{ and } 2 + 2 = 4$$

but $3 + 3 \neq 8$

Hence, 338 does not belong to the group.

15. (b) In pattern 1st, there are 2 balls; in pattern 2nd, there are 4 balls and in pattern 3rd, there are 6 balls. So the pattern is as follows.

$$2 \xrightarrow{+2} 4 \xrightarrow{+2} 6 \xrightarrow{+2} 8$$

Thus, there should be 8 balls in pattern 4.

16. (d) From the given table,

$$P \rightarrow 6, A \rightarrow \neq, R \rightarrow +, O \rightarrow 2, T \rightarrow m$$

So, the code for 'PARROT' is '6 ≠ ++ 2 m'.

17. (b) The letters when arranged will form a word 'BLUE', which is a colour.
Hence, option (b) is correct.

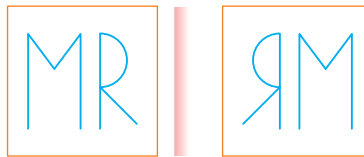
18. (d) The arrangement of boys according to the runs scored by them can be shown as.

$$\text{Jatin} > \text{Ram} > \text{Kamal}$$

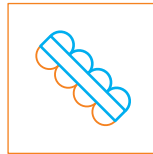
['>' symbol is used to show more than]

From the above arrangement, it is clear that Jatin scored the highest runs.

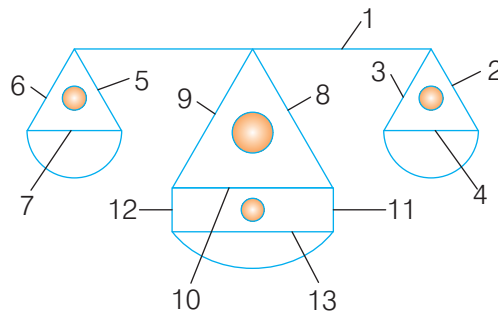
19. (a) The wall will appear in the mirror as given in option (a) as shown below.



20. (b) The given shape (X) is hidden in the option figure (b) as shown below.



21. (c) The figure can be labelled as shown below.



Hence, there are 13 straight lines in the given figure.

22. (a) As, in first pair, $18 + 5 \Rightarrow 23$

Similarly in second pair, $20 + 5 \Rightarrow 25$

Hence, '25' will complete the 2nd pair.

23. (c) Except option (c), two similar figures are given in the options.

24. (c) The pattern is as follows

$$10 \xrightarrow{+4} 14 \xrightarrow{+2} 16 \xrightarrow{+4} 20 \xrightarrow{+2} 22$$

Thus, 22 will replace the question mark.

25. (d)

As,

D	A	N	I
2	4	6	8

 and

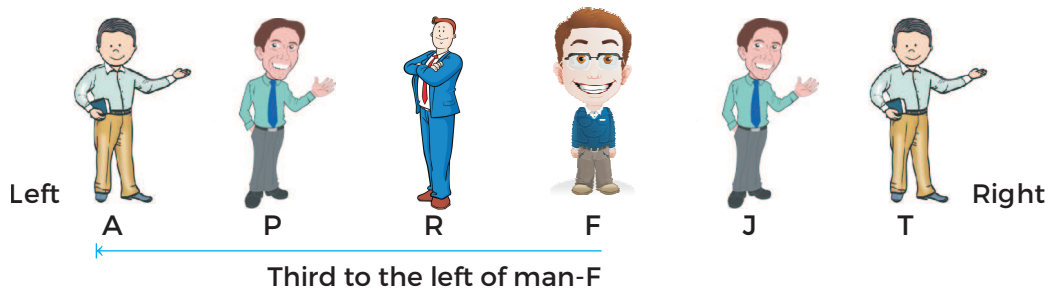
N	A	N	I
1	4	6	8

So, the code for ANI is 468.

26. (d) After arranging the letters, the meaningful word formed will be 'EAGLE' and the combination of numbers are '51342' and '21345'.

But here only '51342' is given the options. So, option (d) is correct.

27. (c) According to the question,



Hence, man-A is third to the left of man-F.

28. (c) 1, 5, 9 are figures composed of Square.

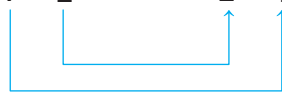
2, 6, 7 are figures composed of triangle.

3, 4, 8 are figures composed of circle.

29. (d) Option (a), $1 \quad 7 \xrightarrow{\quad} 7 - 1 \Rightarrow 6$



Option (b), $1 \quad 2 \xrightarrow{\quad} 2 - 1 \Rightarrow 1$



Option (c), $4 \quad 5 \xrightarrow{\quad} 5 - 4 \Rightarrow 1$



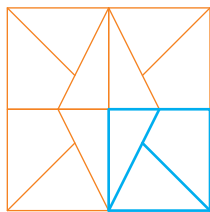
Option (d), $3 \quad 6 \xrightarrow{\quad} 6 - 3 \neq 4$



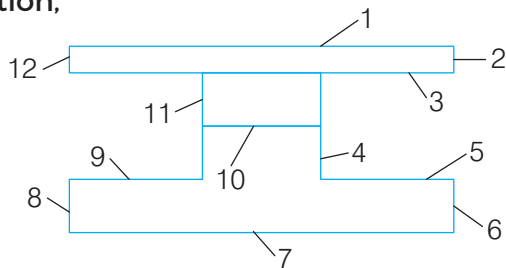
Hence, $36 \Rightarrow 4$ does not belong to the group.

30. (d) 'E' will end the first word 'APPLE' and start the second word 'EGG'.

31. (c) Option figure (c) will complete the given pattern as shown below.



32. (a) According to the question,



Hence, there are 12 straight lines in the given figure.

33. (d) Except T-shirt, all other are 'Jewellery'.

34. (b) As, $\downarrow^{+1} \downarrow^{+1} \downarrow^{+1}$ Next letter and $\downarrow^{+1} \downarrow^{+1} \downarrow^{+1}$ Next letter
 A F K C R D
 B G L D S E

Similarly, $\downarrow^{+1} \downarrow^{+1} \downarrow^{+1}$ Next letter
 H T M
 I U N

35. (a) The word formed after arranging the given letters is 'M A N G O', which is a fruit.