

METRER WORKSHEET VII

Topics: Coding-Decoding, Blood Relation

CODING-DECODING

- If **CASUAL** is coded as **SACLAU**, then what would be the code of **MATRIC**?
(a) CIRTAM (b) TMAICR (c) TAMCIR (d) ATMCIR
- If **S** is written as **H**, **R** as **@**, **A** as **∇**, **M** as **#**, **T** as **\$** and **E** as **%** then how is **MASTER** written in that code?
(a) #VH\$%@ (b) #HV\$%@ (c) #V\$H%@∇ (d) #VH%@\$
- In a certain code language, **KITCHEN** is written as **LHUBIDO**, and **HUSBAND** is written as **ITTABME**. How will **ELEMENT** be written in that language?
(a) FKFLFMU (b) FKFLFNU (c) FJFLGNV (d) FKGLFNU
- In a certain code language, **GAME** is coded as **8426** and **MUST** is coded as **7853**. What is the code for '**M**' in the given code language?
(a) 2 (b) 3 (c) 8 (d) 7
- If **A** denotes **+**, **B** denotes **×**, **C** denotes **−**, and **D** denotes **÷**, then what will be the value of the following expression?
39D13B2C6A8
(a) 10 (b) 8 (c) 12 (d) 9
- If **A** denotes **+**, **B** denotes **×**, **C** denotes **−**, and **D** denotes **÷**, then what will come in the place of **#** in the following equation?
7A3B24D2 = 20B#A3
(a) 7 (b) 20 (c) 14 (d) 2

Blood Relation

- Nithya is Sam's Sister. Mogan is Sam's Father. Selvan is Rajan's Son. Rajan is Mogan's Brother. How is Nithya related to Selvan?
(a) Daughter (b) Sister (c) Cousin (d) Wife
- A family consisted of a man, his wife, his three sons, their wives and three children in each son's family. How many members are there in the family?
(a) 12 (b) 13 (c) 15 (d) 17
- Jay is husband of Geetanjali who is sister of Deepali. Deepali is the daughter of Vijay. Sarita is the mother-in-law of Rohit. Harish Chander is the father of Jay and Sarita is the wife of Vijay. Vijay and Sarita have only two daughters. How is Rohit related to Vijay?
(a) Son (b) Father (c) Brother (d) Father-in-law
- A#B** means '**A is the sister of B**'.
A@B means '**A is the daughter of B**'.
A&B means '**A is the husband of B**'.
A%B means '**A is the father of B**'.
If **A%B&C#D@E**, then how is **B** related to **E**?
(a) Brother (b) Son-in-law (c) Father (d) Son

11. Amit is the brother of Sonia. Jyoti is the sister of Nikita. Sonia is the daughter of Sahil's father. Nikita is the daughter of Kavinder. Jyoti is the mother of Amit, Mukesh is Nikita's only sister's husband. How is Sahil related to Kavinder?
- (a) Son (b) Brother (c) Son-in-law (d) Grandson
12. Punit said to a lady, "The sister of your father's wife is my aunt." How is the lady related to Punit?
- (a) Daughter (b) Grand daughter (c) Niece (d) Cousin sister

ANSWER KEY

Q. No.	ANSWERS
1.	(c) TAMCIR
2.	(a) #VH\$%@
3.	(a) FKFLFMU
4.	(c) 8
5.	(b) 8
6.	(d) 2

Q. No.	ANSWERS
7.	(c) Cousin
8.	(d) 17
9.	(d) Father-in-law
10.	(b) Son-in-law
11.	(d) Grandson
12.	(d) Cousin sister

METRER WORKSHEET VIII

Topics: Mathematical Operations, Alpha-numeric sequence puzzle

Mathematical Operations

- Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation: $11 * 7 * 345 * 5 * 31 = 115$
(a) $+ \times \div -$ (b) $\times + \div -$ (c) $\div \times + -$ (d) $\div - + \times$
- Which two signs should be interchanged to make the below equation mathematically correct?
 $72 \times 6 + 18 \div 5 - 9 = 93$
(a) $\times$ and $+$ (b) $+$ and $-$ (c) $\div$ and $-$ (d) $\times$ and $\div$
- If $+$ means $\div$, $-$ means $\times$, $\times$ means $+$, $\div$ means $-$, give the value for $45 + 9 - 3 \times 15 \div 2$
(a) 40 (b) 36 (c) 56 (d) 28
- If $532 + 781 = 21$ and $862 + 910 = 21$, then what is the value of $796 + 355$?
(a) 21 (b) 30 (c) 31 (d) 22
- If $1/4/3 = 254$ and $3/6/8 = 479$, then $5/2/7 = ?$
(a) 416 (b) 461 (c) 368 (d) 638
- If $Z = Y > R + M$ and $G > H = Z = Q$, then which of the following options is NOT correct?
(a) $H = Y$ (b) $G > Q$ (c) $R > Z$ (d) $Q > R$

Alpha numeric sequence puzzle

- W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 G 6 U S P**
Which of the following is the seventh to the right of the eighteenth from the right end?
(a) A (b) E (c) \$ (d) #
- What should come in place of question mark on the basis of the above arrangement?
R 4 # M 2 B 3 \$ Q ?
(a) **5 G U** (b) **D 6 S** (c) **5 G S** (d) **D 6 P**
- 6 R O T 4 A 8 % B F 1 E # W @ 9 H I \$ M N * 3 2 V \$ 5 G P 7 Q**
If all the symbols are eliminated from the above arrangement, then which of the following will be the 5th to the right of 10th element from the right end?
(a) 4 (b) 5 (c) V (d) A
- M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 * 8 B X**
What will come next in the following sequence- **MRP, 9KU**, and **52W**?
(a) **QT7** (b) **6V8** (c) **QT*** (d) **QV7**
- In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.
K₅32R, L₄28S, M₃24T, ?, O₁16V
(a) **L45W** (b) **L39V₂** (c) **N₂20U** (d) **65Q₃U**

12. Study the following arrangement carefully and answer the question given below:

18 Q W 3 8 Z 5 * 2 J @ U K 9 P I % R 4 \$ M E 7 T # A 6 F

Three of the following four are alike in a certain way based on the position in the above arrangement and hence form a group. Find the odd one.

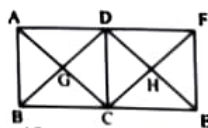
- (a) W1 (b) *8 (c) @9 (d) IK

ANSWER KEY

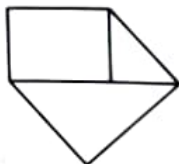
Q. No.	ANSWERS
1.	(b) $\times + \div -$
2.	(d) $\times$ and $\div$
3.	(d) 28
4.	(b) 30
5.	(d) 638
6.	(c) $R > Z$

Q. No.	ANSWERS
7.	(a) A
8.	(d) D 6 P
9.	(b) 5
10.	(c) QT*
11.	(c) $N_2 20U$
12.	(c) @9

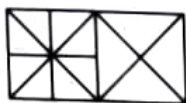
35. How many triangles are there in the given figure?
(SSC MTS 2017)



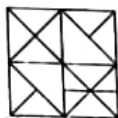
- (a) 16 (b) 18 (c) 8 (d) 12
36. How many quadrilaterals are there in the given figure?
(SSC Sub. Ins. 2017)



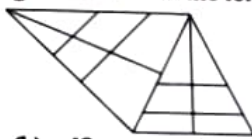
- (a) 2 (b) 3 (c) 4 (d) 5
37. How many triangles are there in the given figure?
(SSC Sub. Ins. 2017)



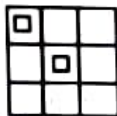
- (a) 24 (b) 26 (c) 28 (d) 30
38. How many triangles are there in the following figure?
(SSC CGL 2018)



- (a) 34 (b) 32 (c) 36 (d) 24
39. How many triangles are there in the following figure?



- (a) 20 (b) 18 (c) 16 (d) 22
40. How many squares are present in the following figure?
(SSC CHSL 2018)



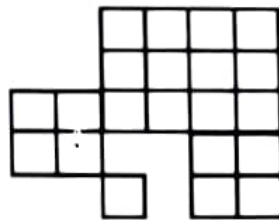
- (a) 12 (b) 14 (c) 18 (d) 16
41. How many triangles are there in the following figure?
(SSC Sub. Ins. 2018)



- (a) 10 (b) 18 (c) 16 (d) 14
42. How many rectangles are there in the given figure?
(SSC CGL 2019-20)



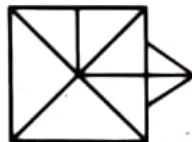
- (a) 34 (b) 30 (c) 32 (d) 33
43. How many squares are there in the given figure?
(SSC CHSL 2019-20)



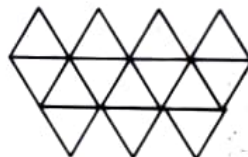
- (a) 29 (b) 33 (c) 32 (d) 34
44. How many triangles are there in the given figure?
(SSC CGL 2020-21)



- (a) 12 (b) 8 (c) 11 (d) 15
45. How many triangles are there in the given figure?
(SSC CHSL 2020-21)



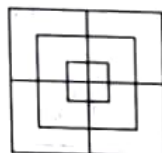
- (a) 16 (b) 15 (c) 17 (d) 14
46. How many triangles are there in the given figure?
(SSC Stenographer 2022)



- (a) 18 (b) 14 (c) 19 (d) 16
47. How many triangles are there in the given figure?
(SSC CHSL 2021-22)

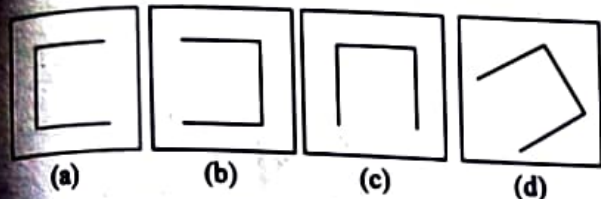


- (a) 22 (b) 24 (c) 20 (d) 18
48. How many maximum squares are there in the given figure?
(SSC CHSL 2022)



- (a) 8 (b) 12 (c) 15 (d) 18

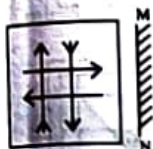
Answer Figures:



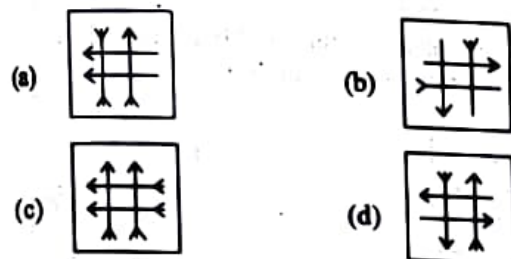
DIRECTIONS (Qs. 36-37): In the following questions, if a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

(SSC Sub. Ins. 2016)

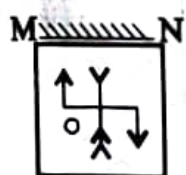
36. Question Figure:



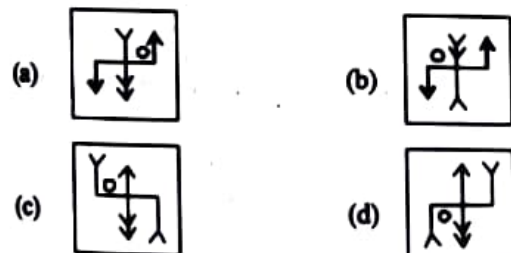
Answer Figure:



37. Question Figure:



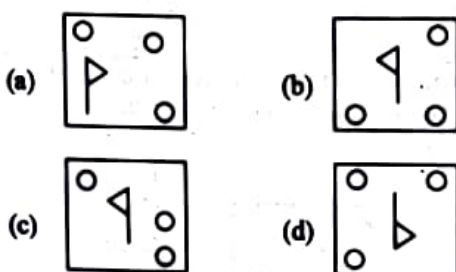
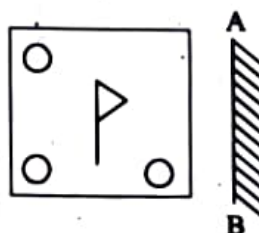
Answer Figure:



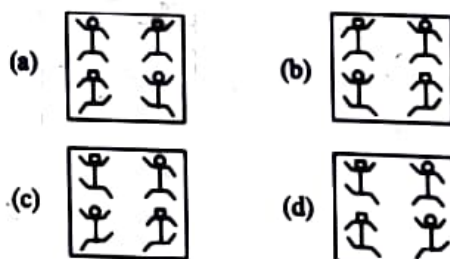
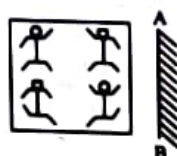
38. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?



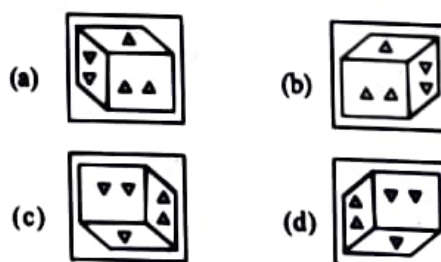
39. If a mirror is on the line AB, then which of the answer figures the right image of the given figure?



40. If a mirror is placed on the line AB, then which of the answer figure is the right image of the given figure?



41. If a mirror placed on the line AB, then which of the answer is the right image of the given figure?



ANSWER KEY

Topic : Counting of Figures / Formation of Figure
2 Analysis.

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35. (b) 18

36. (a) 2

37. (b) 26

38. (a) 34

39. (b) 18

40. (d) 16

41. (b) 18

42. (d) 33

43. (c) 32

44. (a) 12

45. (b) 15

46. (c) 19

47. (c) 20

48. (c) 15

Topic : Mirror Image

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36. (d)

37. (b)

38. (c)

39. (b)

40. (b)

41. (b)

SITTING ARRANGEMENTS

1. Five boys A, B, C, D, E are sitting in a park in a circle. A is facing South-West, D is facing South-East, B and E are right opposite to A and D respectively and C is equidistant between D and B. Which direction is C facing?
(a) West (b) South (c) North (d) East
2. Five policemen are standing in a row facing South. Shekhar is to the immediate right of Dhanush. Bala is between Basha and Dhanush. David is at extreme right end of the row. Who is standing in the middle of the row?
(a) Bala (b) Basha (c) Shekhar (d) Dhanush
3. A group of friends are sitting in an arrangement one each at the corner of a regular octagon. All are facing the centre. Mahima is sitting diagonally opposite to Rama, who is on Sushma's right. Ravi is next to Sushma and opposite to Giridhar, who is on Chandra's left. Savitri is not on Mahima's right but opposite to Shalini. Who is on Shalini's right?
(a) Ravi (b) Mahima (c) Giridhar (d) Rama
4. Five boys A, B, C, D, E are standing in a line in the decreasing order of their height from left to right. A is taller than E but shorter than D. B is shorter than E and C is the tallest. Who is in middle?
(a) A (b) C (c) D (d) E
5. A, B, C, D, E are sitting around a circular table. A don't have B and E as his neighbours. E is not sitting with D. When seen in clockwise direction, which of the order of sitting is correct?
(a) ABDEC (b) ADBEC (c) DBCEA (d) BCEDA
6. Two teams, consisting of 3 players in each team, are participating in a debate competition. Three players in one team are sitting facing the three players of the other team. K and L are sitting facing each other. N and O are in different teams. M is sitting facing N. P is at one of the corners, N is sitting to the immediate right of L. Which of the following are members of the same team?
(a) K, M and P (b) N, L and M (c) L, N and P (d) O, K and N

Q No.	Answer
1.	(d) West
2.	(d) Dhanush
3.	(a) Ravi
4.	(a) A
5.	(b) ADBEC
6.	(c) L , N and P