

LEVEL - I

1. I have a few sweets to be distributed. If I keep 2, 3, 4 in a pack, I am left with one sweet. If I keep 5 in a pack, I am left with none. What is the minimum number of sweets I have to pack & distribute?

- A) 25 B) 37 C) 54 D) 65

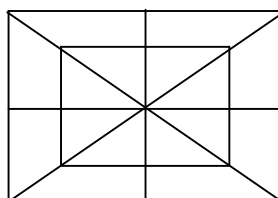
2. In the adjoining figure, count the number of triangles and squares

A) 28 triangles, 10 squares

B) 32 triangles, 10 squares

C) 28 triangles, 8 squares

D) 32 triangles, 8 squares



3. Choose the most appropriate sequence

1. Sentence 2. Chapter 3. Letter 4. Book 5. Word 6. Paragraph

A) 4, 2, 6, 1, 5, 3

B) 4, 2, 1, 6, 5, 3

C) 4, 6, 1, 2, 3, 5

D) 4, 6, 2, 5, 1, 3

4. Choose the odd one

A) Medium

B) Average

C) Mediocre

D) Terrible

5. Arrange the following words according to dictionary arrangement:

1. Epilogise

2. Episode

3. Epigene

4. Epitome

5. Epigram

A) 1, 2, 3, 4, 5

B) 3, 2, 5, 4, 1

C) 3, 5, 1, 2, 4

D) 5, 4, 2, 1, 3

Find the missing numbers in the following series:

6. 81, 64, 49, 36, _____, 16

A) 25

B) 39

C) 24

D) 18

7. 0, 3, 8, 15, _____, 35

A) 24

B) 25

C) 26

D) 20

8. The number of eggs in a basket double every minute. The basket is full of eggs in one hour. How long will it take for the basket to be $\frac{1}{8}^{\text{th}}$ full?
- A) 15 minutes B) $7\frac{1}{2}$ minutes
C) 57 minutes D) 45 minutes
9. Choose the correct alternative:
Darkness : Light :: Ignorance : _____ .
- A) Education B) Knowledge C) Information D) Books
10. Sagar is fourteenth from the right end in a row of 40 boys. What is his position from the left end?
- A) 24th B) 25th C) 26th D) 27th

LEVEL – II

Find the missing number:

1. 3, 7, 16, 35, _____ .
- A) 70 B) 71 C) 73 D) 74
2. 4, 6, 9, 14, _____ .
- A) 5 B) 21 C) 11 D) 13
3. Find the odd one
- A) Triangle B) Rectangle C) Square D) Rhombus
4. Choose the set of number from the four alternatives which is similar to the given set (2, 5, 7)
- A) (3,6,9) B) (4, 7, 9) C) (11, 13, 17) D) (11, 18, 27)
5. If $7 * 1 = 64$ and $3 * 9 = 144$. Then what is the value of $5 * 6$:
- A) 22 B) 55 C) 66 D) 121

6. Find the missing number

- A) 15 B) 16
C) 17 D) 18

3	15	4
7	38	5
3	?	5

7. 0, 6, 24, 60, _____ 210.

- A) 117 B) 119 C) 120 D) 126

8. 1, 1, 3, 9, 6, 36, 10, 100, _____ 225.

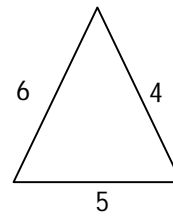
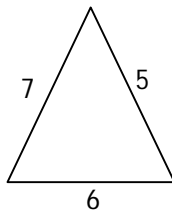
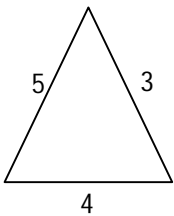
- A) 15 B) 16 C) 20 D) 25

9. If + means \div , $-$ means \times , \div means $+$ and \times means $-$, then the value of

$36 \times 12 + 4 \div 6 + 2 - 3$ When simplified is:

- A) 2 B) 18 C) 42 D) $6\frac{1}{2}$

10. Find the missing character:



- A) 25 B) 37 C) 41 D) 47 E) 40

LEVEL - III

1. In a caravan, In addition to 50 hens, there are 45 goats and 8 camels with same Keepers. If the total number of feet be 224 more than the number heads in the Caravan. Find the number of Keepers.

- A) 5 B) 8 C) 10 D) 15

2. Between 4 and 5 o'clock, when the hands will be inclined at 60° for the first time?

- A) $10\frac{10}{11}$ min past 4 B) $11\frac{10}{11}$ min past 4
C) 10 min past 4 D) $9\frac{10}{11}$ min past 4

3.

11	3	49
5	19	?
7	13	100

- A) 96 B) 120 C) 144 D) 169

4. Find a wrong number in the series

7, 28, 63, 124, 215, 342, 511

- A) 7 B) 28 C) 124 D) 215

5. The next digit in the series 6,4,3,12/5 will be :

- A) 7/3 B) 9/4 C) 13/5 D) 2

6. Five children are sitting in a row. S is sitting next to P but not T. K is sitting next to R who is sitting on the extreme left and T is not sitting next to K.

Who are sitting adjacent to S?

- A) K & P B) R & P C) only P D) P & T

7. Ankit, Bansi, Rohan and Sohan are friends. They play cards Ankit and Bansi become partners. Sohan face North. If Ankit face towards West, then who face towards South?

- A) Bansi B) Rohan C) Sohan D) Data inadequate

Complete the series:

8. 5, 6, 10, 19, 35, _____.

- A) 45 B) 48 C) 60 D) 62

9. 23, 48, 99, 203, 413 _____.

- A) 927 B) 837 C) 937 D) 437

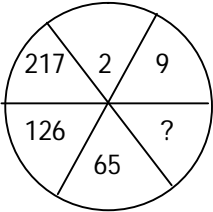
10. Find the missing number in the following matrix:

1	2	3
11	7	5
120	45	?

- A) 15 B) 16 C) 17 D) 18

LEVEL - IV

Complete the series:

1. 4, 6, 9, 14, 21, 32, ____.
A) 45 B) 55 C) 40 D) 50
 2. 23, 35, 57, 711, 1113, ____.
A) 1520 B) 1316 C) 1317 D) 1422
 3. Find the odd one
A) Carbon B) Copper C) Silver D) Gold
 4. Wax is related to Grease in the same way as Milk is related to
A) Drink B) Ghee C) Curd D) Protein
 5. If South – East is called East, North – West is called West, South – West is called South and So on, what will North be called:
A) East B) North East C) North West D) South
 6. A walks 10m in front and 10 m to the right. Then every time turning to his left, he walks 5, 15 and 15 m respectively. How far is he now from his starting point?
A) 5m B) 10 m C) 15 m D) 23 m
 7. Find the missing number
A) 26 B) 27
C) 28 D) 29
- 
8. How many independent words can be formed without changing the order of the letters of Monday, using each letter only once?
A) One B) Two C) Three D) Four
 9. How many numbers from 11 to 50 are there which are exactly divisible by 7 but not divisible by 3?
A) 2 B) 4 C) 5 D) 6

10. A wooden cube is painted blue on all six faces. The side of this cube is 4 cm. It is cut into smaller cubes of side 1 cm. How many cubes have no face colored?
 A) 12 B) 16 C) 8 D) 0

LEVEL - V

1. A certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses back which the remaining ones are walking along leading their horses. If the number of legs waking on the ground is 70, how many horses are there?

- A) 10 B) 12 C) 14 D) 16

2. Find the angle between the hour hand and the minute hand when the time is 25 minutes to 8.

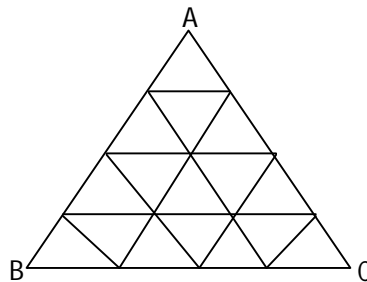
- A) $12\frac{1}{2}$ B) $17\frac{1}{2}$ C) 20 D) $22\frac{1}{2}$

3. Find the time between 8 and 9 o'clock when the hands of clock be in the same straight line but not together.

- A) $10\frac{9}{11}$ min past 8 B) $10\frac{10}{11}$ min past 8
 C) $11\frac{10}{11}$ min past 8 D) None

4. Find the number of parallogram contained in the following figure:

- A) 37
 B) 38
 C) 39
 D) 40



5. Today is 1st April. The day of the week is Wednesday. This is a leap year. The day of the week on this day after 3 years will be:

- A) Saturday B) Sunday C) Friday D) Tuesday

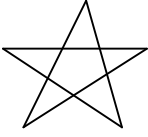
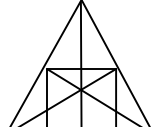
6. If x is difference of squares of two odd integers then it is always divisible by :
- A) 2 B) 4 C) 8 D) 2, 4 & 8
7. A wooden cube is painted blue on all six faces. The side of this cube is 4 cm. It is cut into smaller cubes of side 1 cm. How many cubes have only one face coloured
- A) 4 B) 8 C) 16 D) 24
8. In a class, Ajaya is 15th in the rank from the top and 21st from the bottom. How many students are there in the class?
- A) 34 B) 35 C) 36 D) 37
9. If A is to the south of B and C is to the east of B, In what direction is A with respect to C?
- A) North – East B) North – West C) South – East D) South – West
10. Which word cannot be made from letters of given word.

EXAMINATION

- A) EXAMINE B) NAME C) MAIN D) NATION

LEVEL – VI

1. Chef is related to Restaurant in the same way as Druggist is related to:
- A) Medicine B) Pharmacy C) Store D) Chemistry
2. In a certain code, ROAD is written as URDG. How is SWAN written in that code?
- A) VXDQ B) VZDQ C) UXDQ D) VZCO
3. In a chess tournament each of six players will play every other player exactly once. How many matches will be played during the tournament?
- A) 36 B) 30 C) 15 D) 12

4. If L denotes \times , M denotes \div , P denotes $+$ and Q denotes $-$, then
 $16 P 24 M 8 Q 6 M 2 L 3 = ?$
 A) $13/6$ B) $-1/6$ C) $14 \frac{1}{2}$ D) 10
5. If the seventh day of the month is three days earlier than Friday, what day will it be on the nineteenth day of the month?
 A) Sunday B) Monday C) Wednesday D) Friday
6. Rajan is the brother of Sachin and Manik is the father of Rajan. Jagat is the brother of Priya and Priya is the daughter of Sachin who is the uncle of Jagat?
 A) Rajan B) Sachin C) Manik D) Can't be determined
7. If the seventh day of a month is three days earlier than Friday. What day will it be on the nineteenth day of the month?
 A) Saturday B) Wednesday C) Friday D) Sunday
8. How many triangles are there in the figure given?
 A) 5 B) 6
 C) 7 D) 10
- 
9. A man travels 1 km towards east: thereafter 5 km towards South then 2 km towards east and finally 1 km toward north. How far is he from the starting point of place?
 A) 6 km B) 18 km C) 12 km D) 5 km
10. How many line segments are contained in the diagram given below?
 A) 9 B) 10
 C) 11 D) 12
- 

ALL THE BEST

After completing this paper, please E-mail answers to info.pune@fiitjee.com.
 Correct answers will be sent to your mail address.

Answer

LEVEL – I

- | | | | | |
|------|------|------|------|-------|
| 1. A | 2. A | 3. A | 4. D | 5. C |
| 6. A | 7. A | 8. C | 9. B | 10. D |

LEVEL – II

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|------|------|------|------|-------|
| 1. D | 2. B | 3. A | 4. C | 5. D |
| 6. D | 7. C | 8. A | 9. C | 10. C |

LEVEL – III

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|------|------|------|------|------|
| 1. D | 2. A | 3. C | 4. B | 5. D |
| 6. A | 7. B | 8. C | 9. B | 10. |

LEVEL – IV

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|------|------|------|------|-------|
| 1. A | 2. C | 3. A | 4. C | 5. C |
| 6. A | 7. C | 8. A | 9. B | 10. C |

LEVEL – V

- | | | | | |
|------|------|------|------|-------|
| 1. C | 2. B | 3. C | 4. C | 5. A |
| 6. D | 7. D | 8. B | 9. D | 10. A |

LEVEL – VI

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|------|------|------|------|-------|
| 1. B | 2. B | 3. C | 4. D | 5. A |
| 6. A | 7. D | 8. D | 9. D | 10. A |