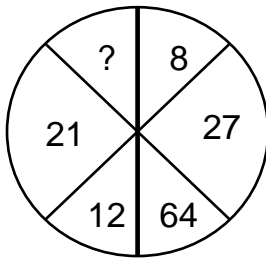


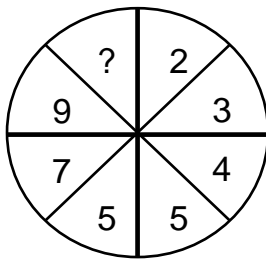
(EIC01-0001E)



- A) 4
- B) 305
- C) 343
- D) 729

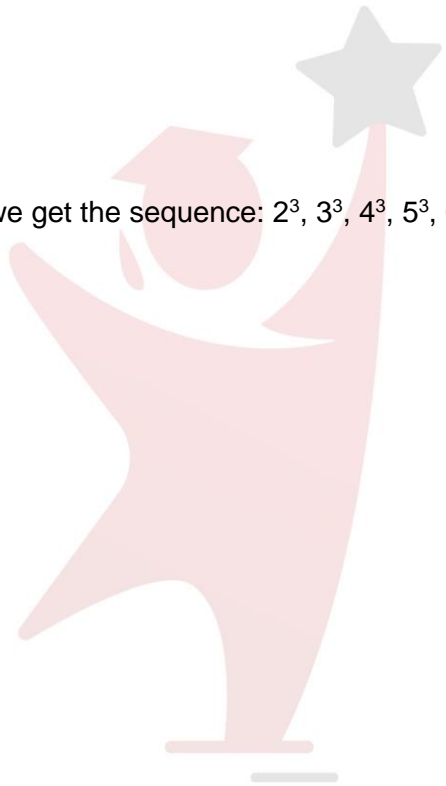
Moving clockwise, we get the sequence: $2^3, 3^3, 4^3, 5^3, 6^3, 7^3$.

EIC01-0002E)



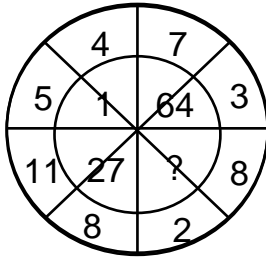
- A) 10
- B) 11
- C) 12
- D) 13

The numbers in the right half form the series : 2, 3, 4, 5.
 The numbers in the left half form the series : 5, 7, 9, 11.



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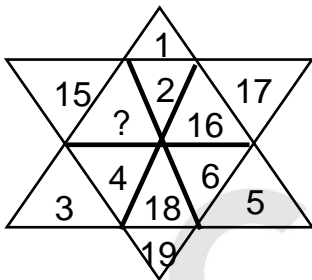
(EIC01-0003E)



- A) 0
- B) 8
- C) 125
- D) 216

Clearly, $(5 - 4)^3 = 1$; $(7 - 3)^3 = 64$; $(11 - 8)^3 = 27$.
 So, missing number = $(8 - 2)^3 = 6^3 = 216$

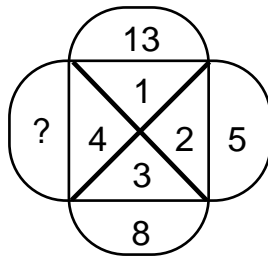
(EIC01-0004H)



- A) 13
- B) 14
- C) 20
- D) 21

The given figure contains numbers 1 to 6 in three alternate segments, the smaller number being towards the outside and the numbers 14 to 19 in the remaining three alternate segments with the smaller number towards the inside.

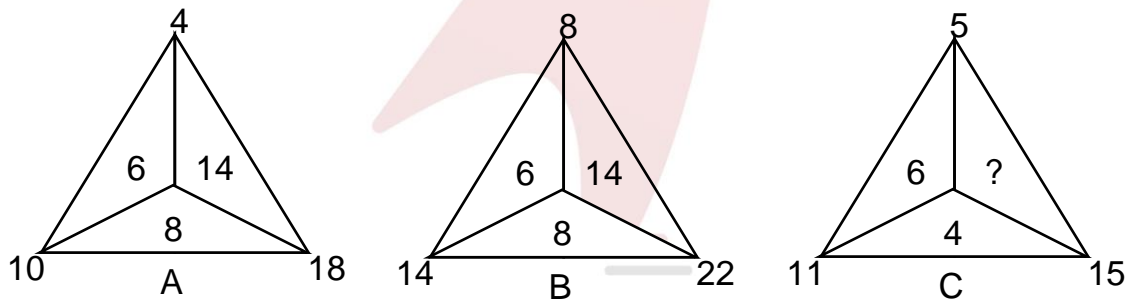
(EIC01-0005H)



- A) 10
- B) 11
- C) 12
- D) 13

The arrangement is : $5 + 3 = 8$, $8 + 4 = 12$. $12 + 1 = 13$.
So, missing number is 12.

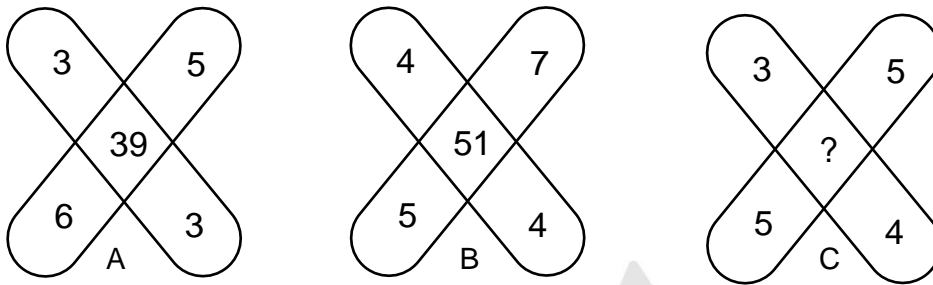
(EIC01-0006E)



- A) 6
- B) 8
- C) 10
- D) 14

In fig. (A), $10 - 4 = 6$, $18 - 10 = 8$, $18 - 4 = 14$.
In fig. (B), $14 - 8 = 6$, $22 - 14 = 8$, $22 - 8 = 14$.
In fig. (C), $11 - 5 = 6$, $15 - 11 = 4$.
So, missing number = $15 - 5 = 10$.

(EIC01-0007M)



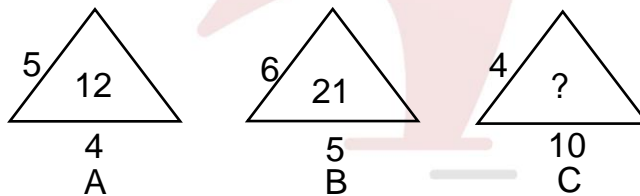
- A) 47
- B) 45
- C) 37
- D) 35

In fig. (A), $(3 \times 3) + (6 \times 5) = 39$.

In fig. (B), $(4 \times 4) + (5 \times 7) = 51$.

∴ In fig. (C), missing number = $(3 \times 4) + (5 \times 5) = 37$.

(EIC01-0008M)



- A) 14
- B) 22
- C) 32
- D) 320

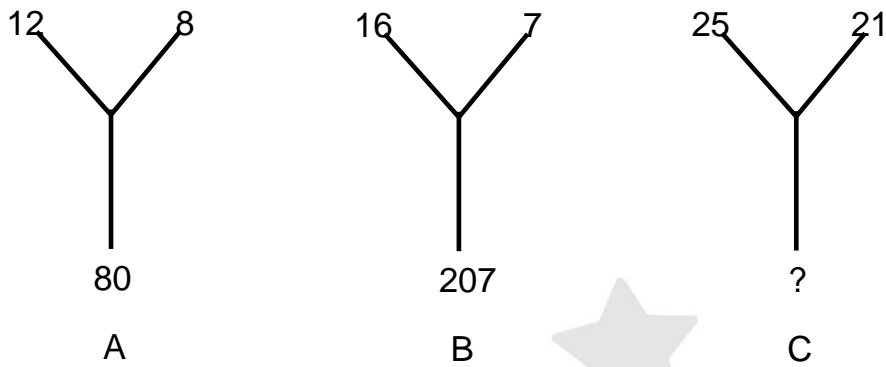
The number inside the triangle is obtained by dividing the product of the numbers along the sides of the triangle by 10. Thus,

In fig. (A), $(5 \times 6 \times 4) / 10 = 12$.

In fig. (B), $(6 \times 7 \times 5) / 10 = 21$.

∴ In fig. (C), missing number = $(4 \times 8 \times 10) / 10 = 32$.

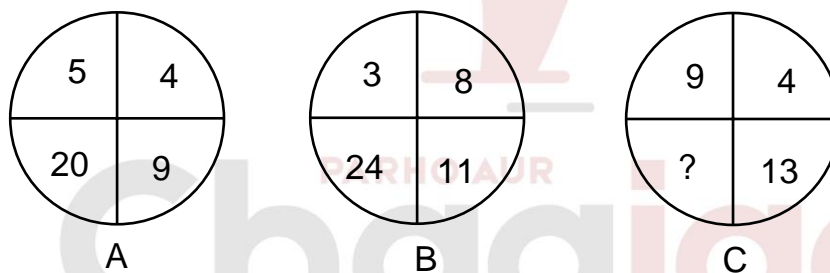
(EIC01-0009M)



- A) 184
- B) x210
- C) 241
- D) 425

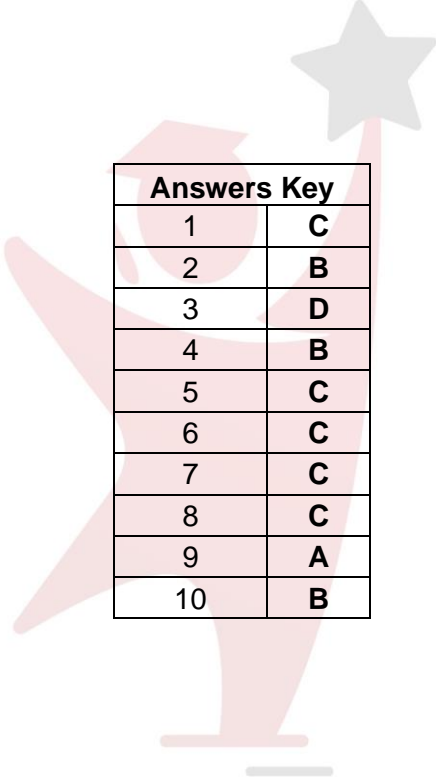
The lower number is the difference of the squares of the upper two numbers. Thus,
 In fig. (A), $12^2 - 8^2 = 80$.
 In fig. (B), $16^2 - 7^2 = 207$.
 \therefore In fig. (C), missing number = $25^2 - 21^2 = 625 - 441 = 184$.

(EIC01-0010M)



- A) 117
- B) 36
- C) 32
- D) 26

In fig. (A), $5 \times 4 = 20$, $5 + 4 = 9$.
 In fig. (B), $3 \times 8 = 24$, $3 + 8 = 11$.
 \therefore In fig. (C), missing number = $9 \times 4 = 36$.



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

PARHO AUR
Chaaajao