

RELATION BETWEEN 3 NUMBER

Sets ✓

Triads ✓

Triangles ✓

Geometric shapes(Missing Numbers)✓

QUESTION 26.

Select the set in which the numbers are related in the same way as are the numbers of the given set.

उस सेट का चयन करें जिसमें संख्याएँ उसी प्रकार संबंधित हैं जैसे दिए गए सेट की संख्याएँ हैं।

(512, 27, 24)

(729, 1331, 99)

~~[A] (125, 216, 144)~~

[B] (289, 324, 306)

✓ [C] (216, 343, 42)

[D] (420, 225, 256)



QUESTION 51.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

5 22 122
 5^2-3 5^3-3
 $125-3$

(5, 22, 122)

(6, 33, 213)

[A] (8, 64, 514)

[B] (7, 49, 346)

6 33 213
 6^2-3 6^3-3

[C] (7, 46, 340)

[D] (10, 107, 1098)

7^3-3 7^3-3



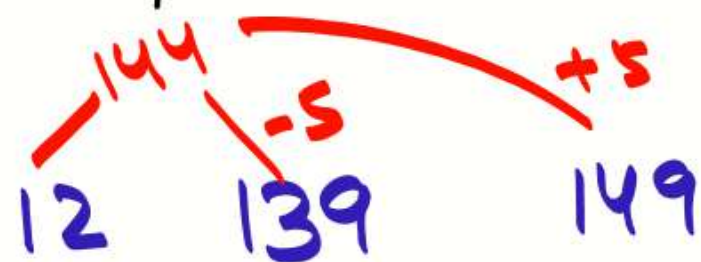
QUESTION 52.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(12, 139, 149)

(23, 524, 534)



[A] (17, 18, 272)

[B] (19, 361, 225)

[C] (18, 319, 329)

[D] (14, 15, 240)

$$N, N^2-5, N^2+5$$



QUESTION 53.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

$$\begin{array}{ccc} 21 & 45 & 93 \\ \underbrace{\quad \quad} & \underbrace{\quad \quad} & \\ \times 2 + 3 & \times 2 + 3 & \end{array}$$

$$(21, 45, 93)$$

$$(14, 31, 65)$$

$$\begin{array}{ccc} 14 & 31 & 65 \\ \underbrace{\quad \quad} & \underbrace{\quad \quad} & \\ \times 2 + 3 & \times 2 + 3 & \end{array}$$

~~$$[A] (12, 23, 45)$$~~

~~$$[C] (18, 37, 75)$$~~

~~$$[B] (13, 27, 55)$$~~

$$[D] (23, 49, 101)$$



QUESTION 54.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(8, 64, 512)
 8^2 8^3

~~[A] (4, 25, 125)~~

☒ [C] (7, 49, 343)

~~[B] (3, 9, 64)~~

~~[D] (9, 81, 243)~~



QUESTION 55.

$$b = a + \text{Rev}(a)$$

a	b	c
87	165	726
$\underbrace{\quad\quad\quad}_{78} \quad \underbrace{\quad\quad\quad}_{561}$		

76	143	784
$\underbrace{\quad\quad\quad}_{67} \quad \underbrace{\quad\quad\quad}_{341}$		

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(87, 165, 726)
(76, 143, 484)

$$c = b + \text{Rev}(b)$$

~~(28, 110, 220)~~
~~(44, 88, 120)~~

☒ (36, 99, 198)
~~(36, 99, 299)~~



QUESTION 56.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(62, 123, 214)
(341, 510, 727)

62
64

123
125

214
216

~~[A] (127, 1004, 342)~~

[B] (23, 215, 217)

[C] (1329, 1726, 2195)
1331 1728 2197

[D] (216, 343, 510)

341
343

510
512

727
729



QUESTION 57.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(18, 38, 77)

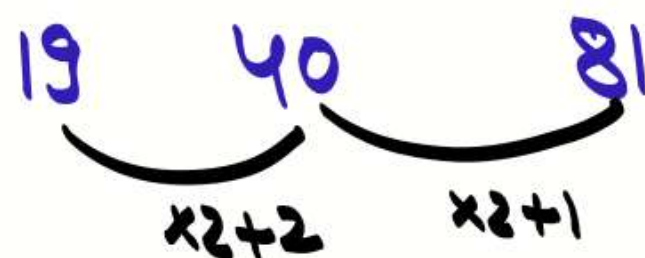
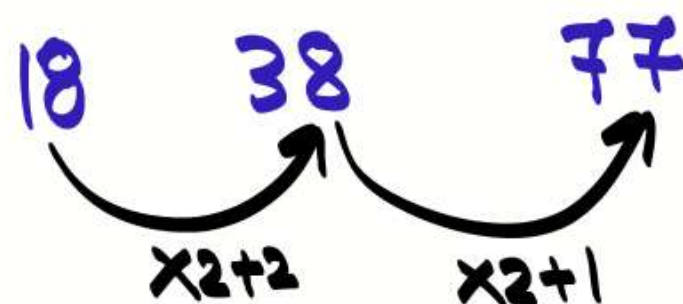
(19, 40, 81)

✓ [A] (21, 44, 89)

[C] (20, 82, 92)

[B] (15, 33, 67)

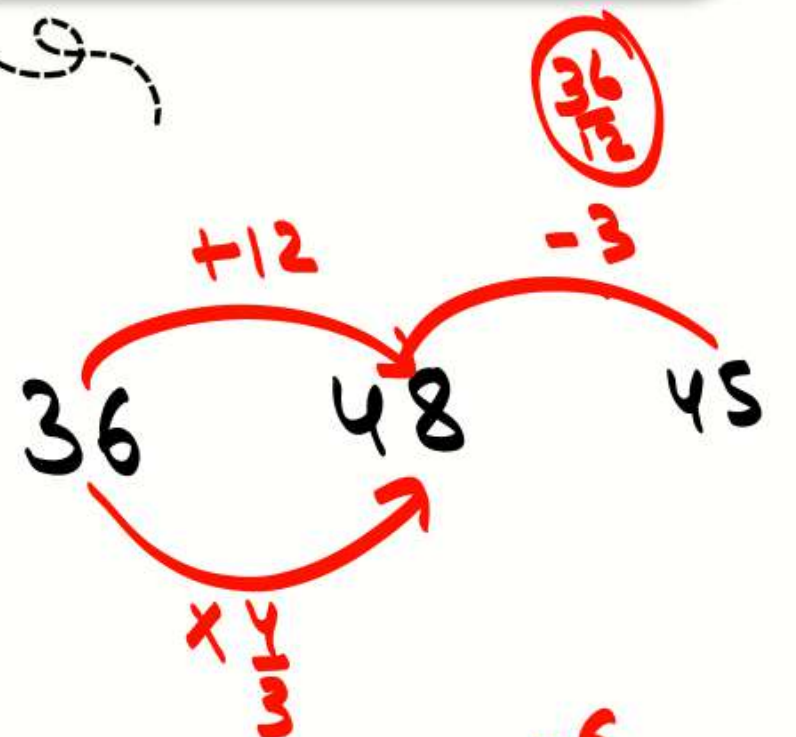
[D] (17, 53, 87)



QUESTION 58.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।



(36, 48, 45)
(72, 96, 90)

~~[A]~~ (24, 24, 30)

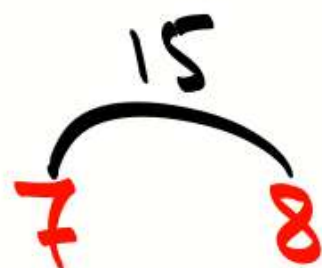
~~[C]~~ (72, 120, 90)

[B] (48, 64, 72)

☒ [D] (60, 80, 75)



QUESTION 59.



$$\begin{array}{r} 11^2 + 2 \\ \hline 121 + 2 \end{array}$$

$$\begin{array}{r} 15^2 + 2 \\ \hline \end{array}$$

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(5, 6, 123)
(7, 8, 227)

(a b c)

$$(a+b)^2 + 2 = c$$

✓ [A] (4, 5, 83)

✗ [B] (6, 7, 169)

✗ [C] (7, 6, 103)

✗ [D] (8, 9, 290)



QUESTION 60.

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

13

2210

2197

$13^3 + 13$

13^3

(13, 2210, 2197)

(17, 4930, 4913)

~~[A] (15, 225, 3376)~~

~~[B] (19, 4935, 4913)~~

☒ [C] (25, 15650, 15625)

~~[D] (22, 456, 9375)~~

17

4930

4913

$17^3 + 17$

17^3



QUESTION 61.

A	B	C
100	2	150
100×2	50	
$A \times B - \frac{A}{B} = C$		
50	5	<u>240</u>
$(50 \times 5 - \frac{50}{5})$		

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

उस समुच्चय का चयन करें जिसमें संख्याएं आपस में उसी तरह से संबंधित हैं जैसे निम्न समुच्चयों की संख्याएं आपस में संबंधित हैं।

(100, 2, 150)

(50, 5, 240)

~~(10, 8, 98)~~

~~(10, 5, 200)~~

$$50 - \frac{10}{5}$$

~~(14, 16, 8)~~

☒ (16, 8, 126)

$$128 - \frac{16}{8} = 126$$





Missing Number

Relation Between 3 or more number

यहाँ पूछने का तरीका
बदलेगा
↓
Solve करने का
मौक़



❖ MORE THAN 3 NUMBERS

❑ (A, B, C, D, E) ✓

❑ A-B-C-D ✓

❑ A:B:C:D ✓

$\overline{A^2}$
↑
A
↓
 $\overline{A^3}$

⊕
⊖
⊗
÷

B^2
↑
B
↓
 B^3

+
-
×
÷

C^2
↑
C
↓
 C^3

+
-
×
÷

D^2
↑
D
↓
 D^3

question

1

13 108
11

26 55
35 9

39 157
14

[A] 32

[C] 72

[B] 39

[D] 52

A B
C

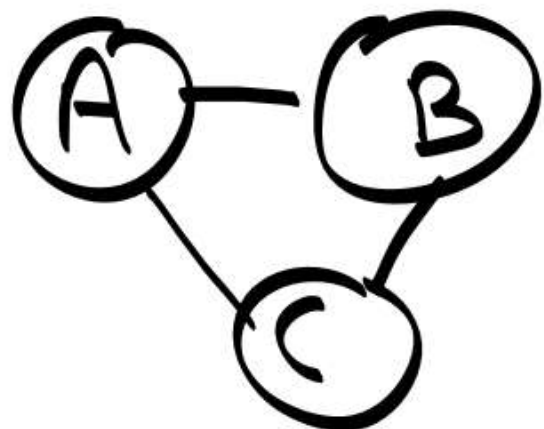
$$A + B = C^2$$

24 21
13 108
2

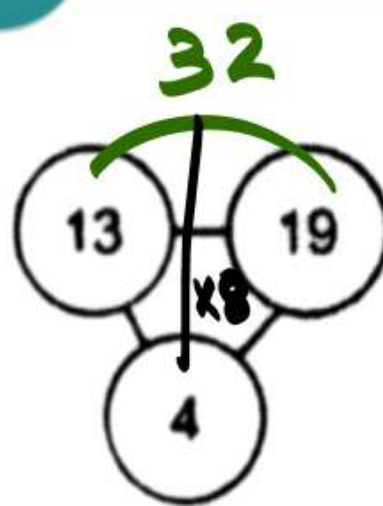


question

2

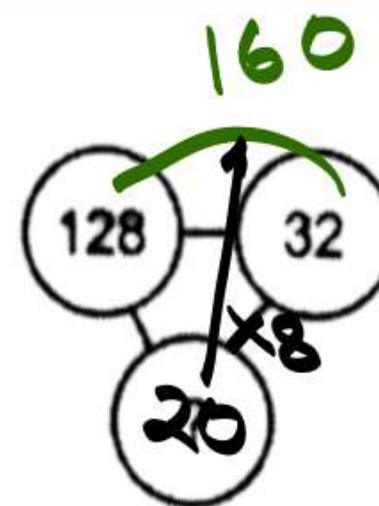
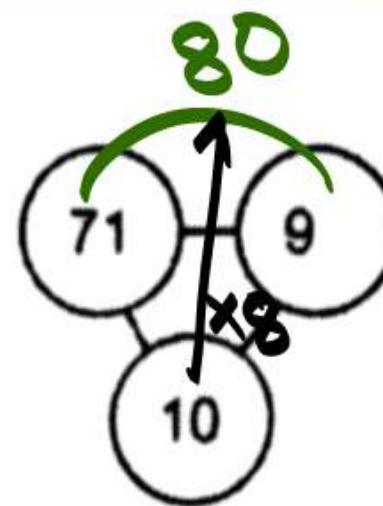


$$A + B = 8C$$



[A] 16

[C] 12

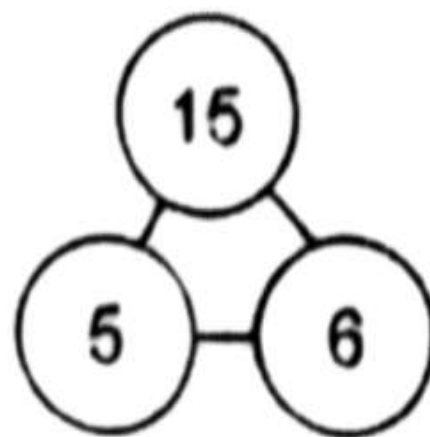
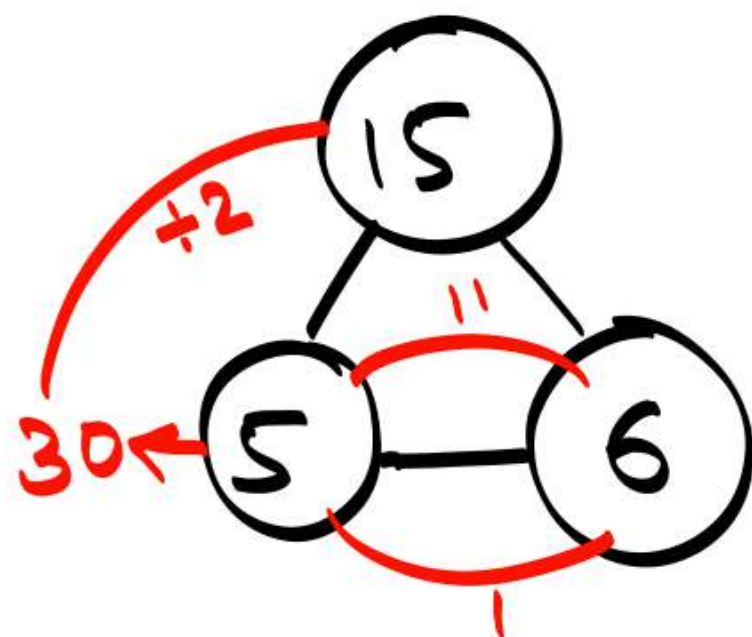


[B] 26

☒ [D] 20

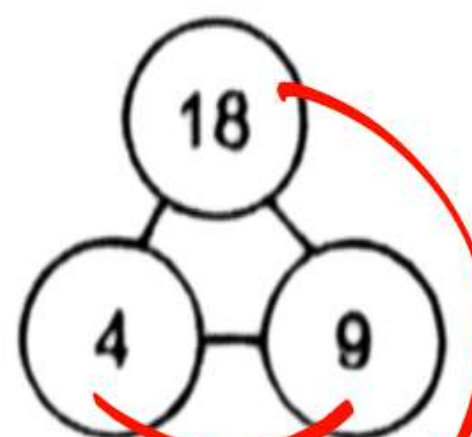
question

3

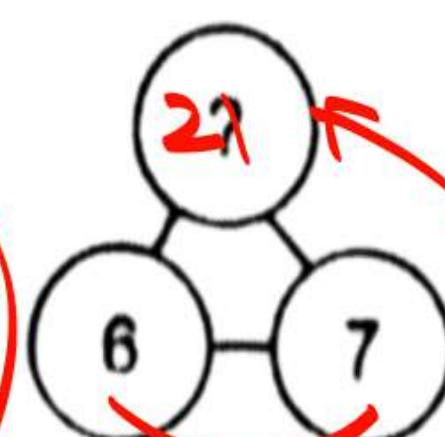


[A] 15

[C] 22



36



✓ [B] 21

[D] 23

question

4

Matrix
~~मिडिल~~

A	B	C	D
---	---	---	---

$$A + B = C + D$$

$$A + B - C = D$$

Similar Logic

$$A \times B = C + D$$

$$A \div B = C + D$$

$$A - B = C + D$$

$$A + B = C \times D$$

$$A \times B = C \times D$$

→	46	12	30	28
→	32	16	18	30
→	54	10	29	35

[A] 20

[C] 22

[B] 18

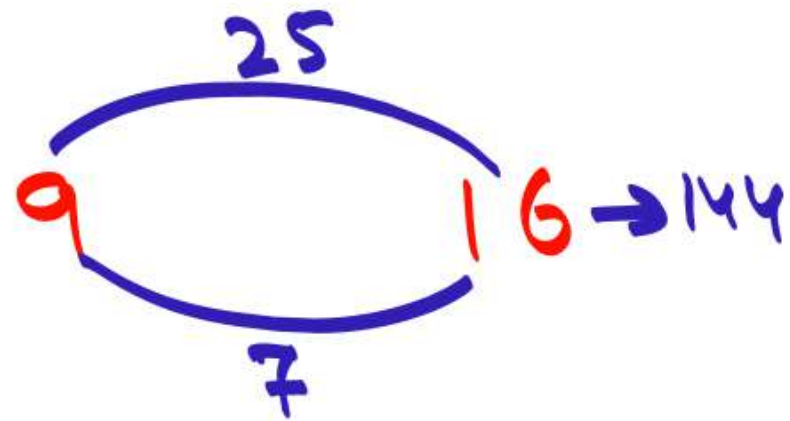
[D] 16

question

5



12



→

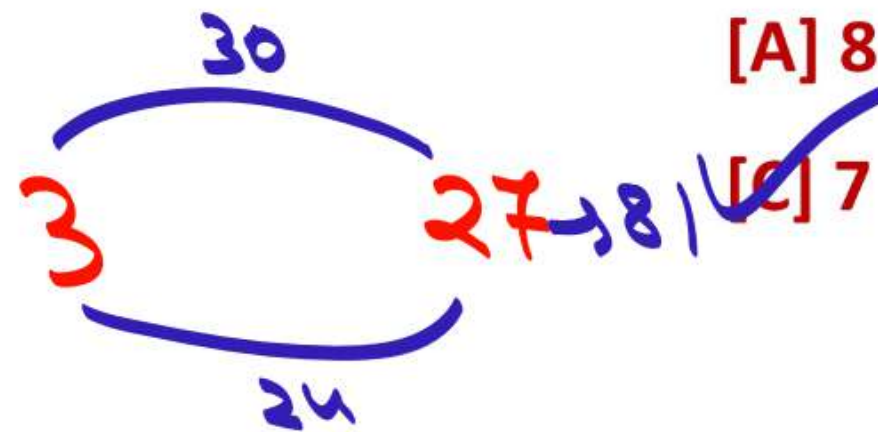
12	9	16
9	3	27
14	?	28

$$\sqrt{28(x)} = 14$$
$$x = 7$$

[B] 9

[D] 11

9



[A] 8

[C] 7

$$\sqrt{B \times C} = A$$

B का मान ज्ञात कीजिये ?

7	21	84	420
15	45	A	B

Handwritten annotations:
Row 1: 7 $\times 3$ 21 $\times 4$ 84 $\times 5$ 420
Row 2: 15 $\times 3$ 45 $\times 4$ 180 $\times 5$ 900

[A] 720

[B] 850

☒ [C] 900

[D] 950

question

7

$$7 \times 6 + 55 \rightarrow 97$$

$$42 + 55 = 97 \checkmark$$

A
B
C
D

$$A \times C + D = B$$

$$A \times C = B - D$$

☒ [A] 2

[C] 4

[B] 5

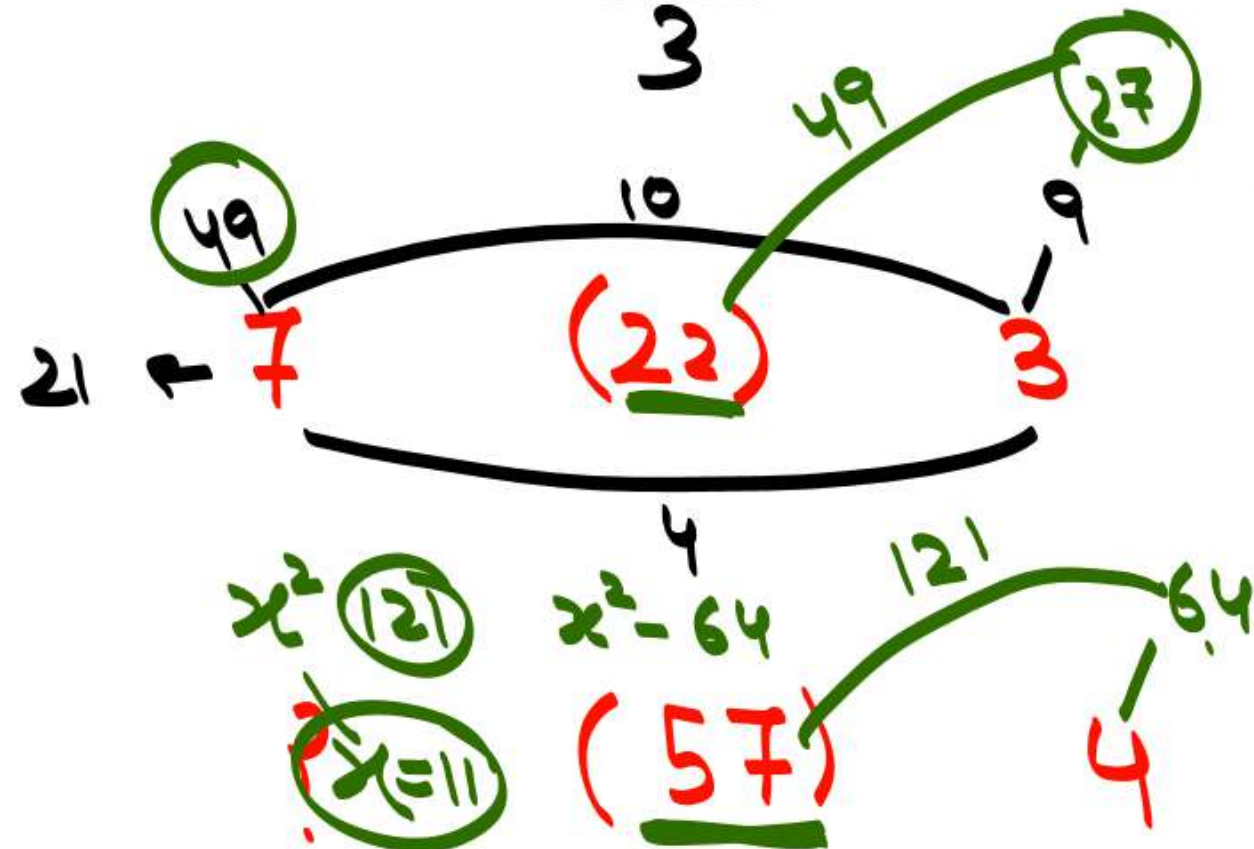
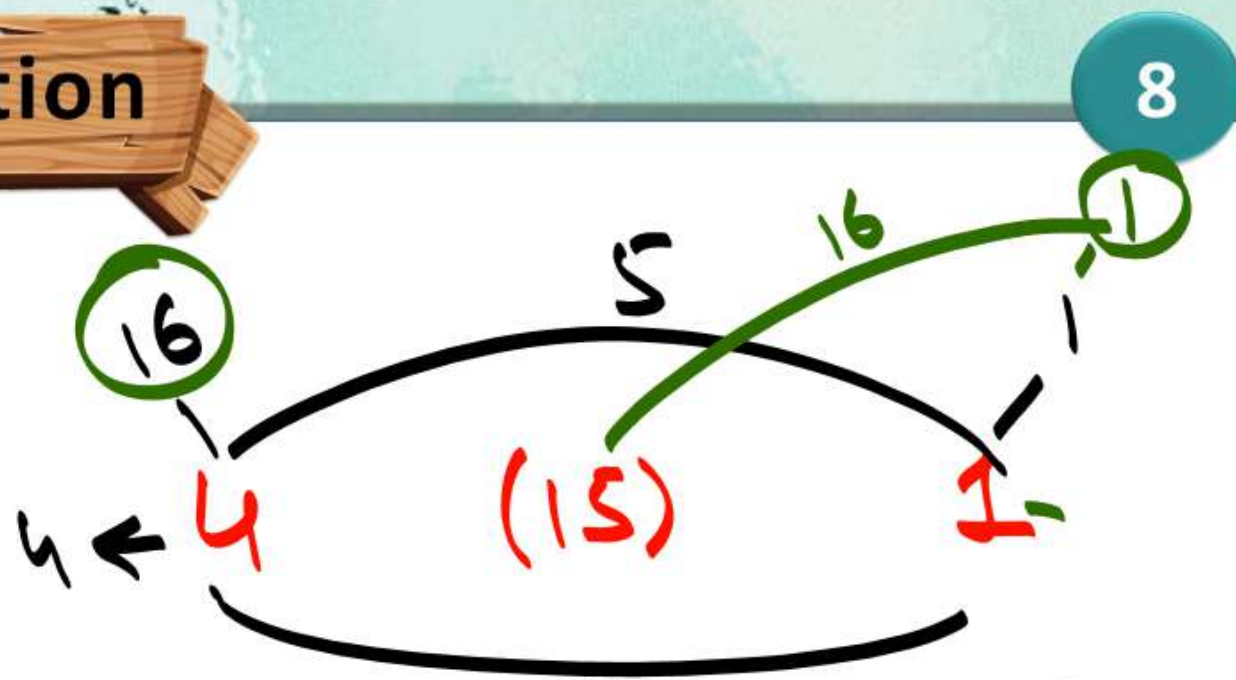
[D] 3

↓

7	9	8
97	73	64
6	7	2
55	10	<u>48</u>

Handwritten annotations: Red brackets group (9, 73, 64) and (8, 2, 48). Red arrows point from 73 to 7 and from 64 to 2. Red numbers 63 and 16 are written next to 7 and 2 respectively.

question



4	(15)	1
7	(22)	3
?	(57)	4

1 = नाभाथक

[A] 11

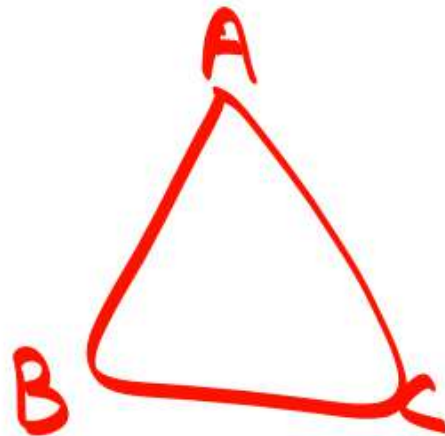
[B] 16

[C] 12

[D] 14

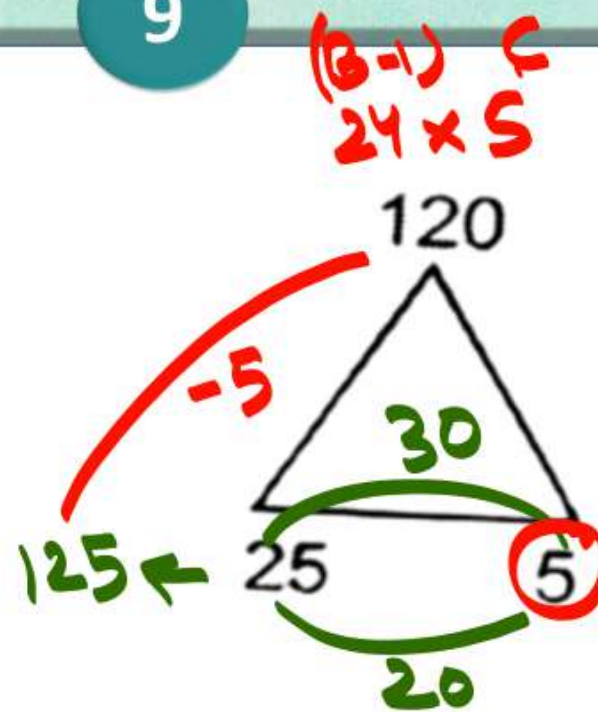
question

9



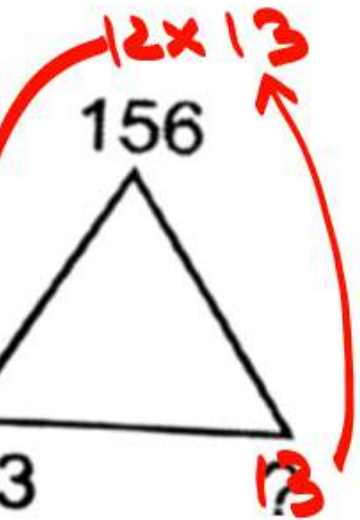
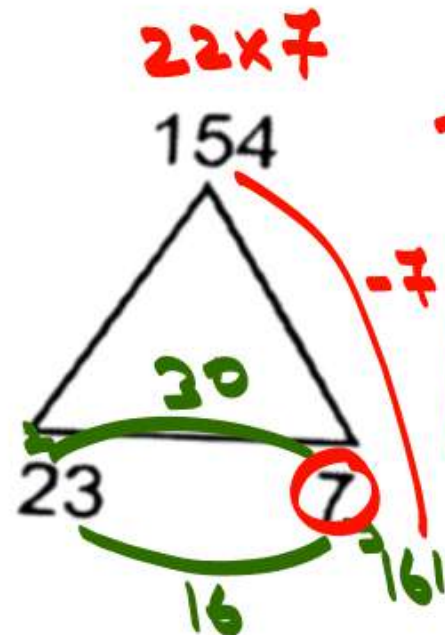
$$B \times C - C = A$$

$$(B-1)C = A$$



~~[A] 13~~

[C] 21



[B] 11

[D] 23

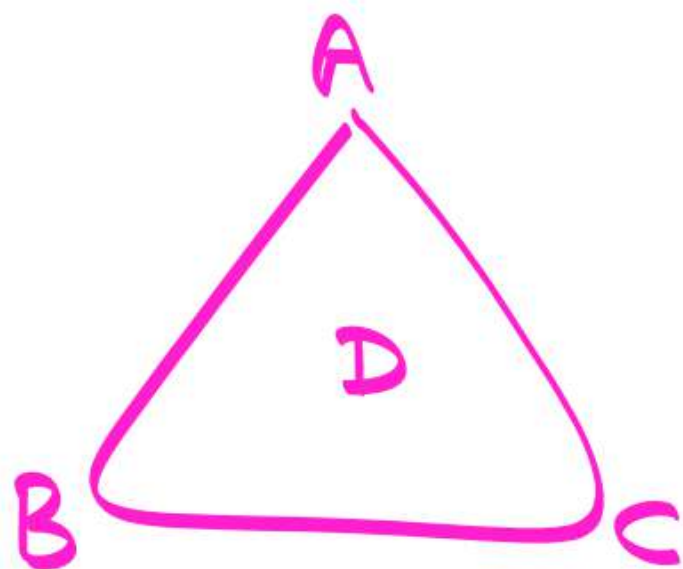
	↓	↓	↓	
	11	17	8	
19	5	3	15	35
	3	7	12	
	361	729	1225	
	19^2	27^2	35^2	

[A] 22

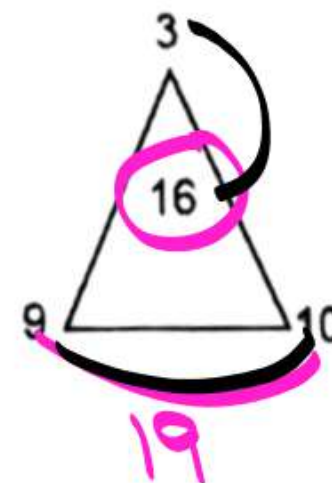
[B] 25

✓ [C] 12

[D] 21



$$B + C - A = D$$



[A] 11

[B] 5

✓ [C] 14

[D] 16

$$A + D = B + C$$

50 $56/8$

350

 50×7 **48** $32/8$

192

 48×4 **30** $40/8$

?

 $30 \times \boxed{5}$
150

✓ [A] 150

[C] 180

[B] 145

[D] 140

50	48	30
56	32	40
350	192	?

a
b
c
d

$$b \times c - d = A$$

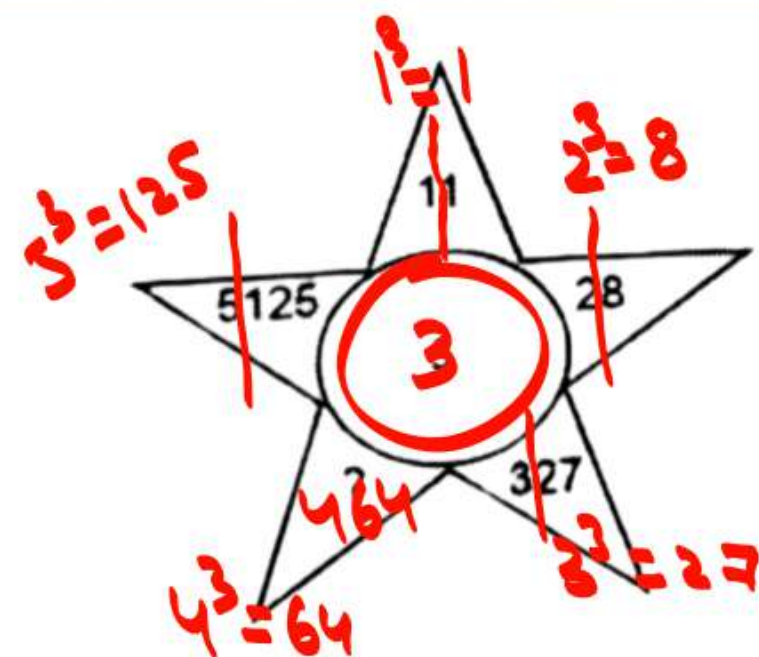
29	71	67
8	11	14
4	7	5
3	6	3

[A] 4

☒ [C] 5

[B] 6

[D] 3

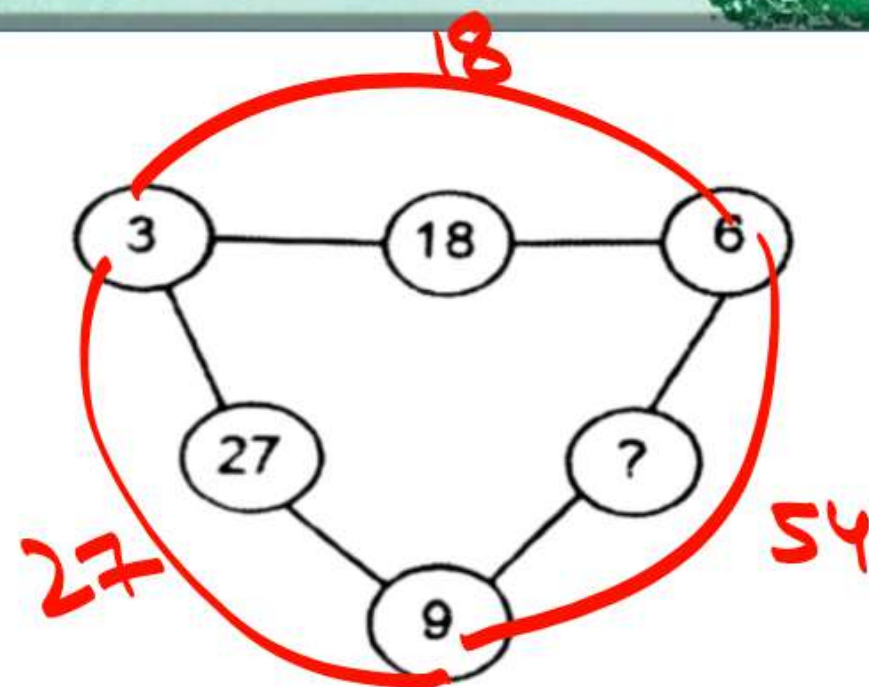


[A] 446

[C] 4126

☒ [B] 464

[D] 444

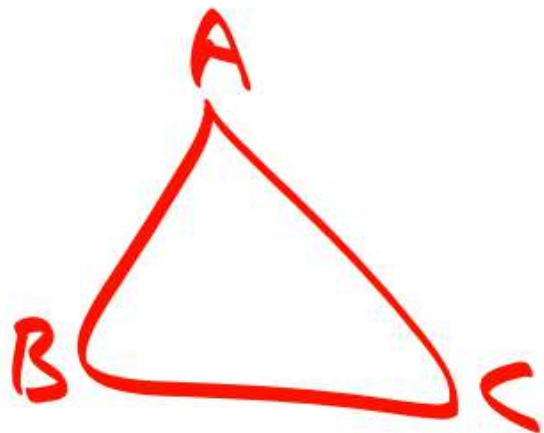
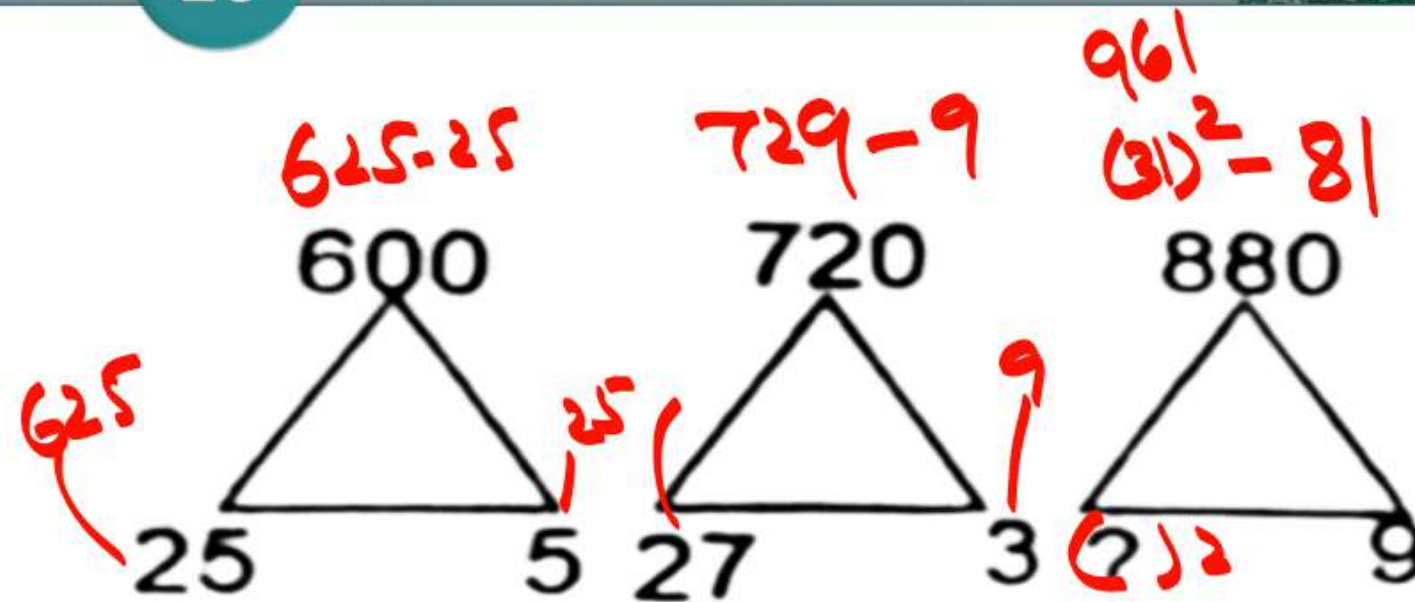


✓ [A] 54

[B] 18

[C] 38

[D] 29



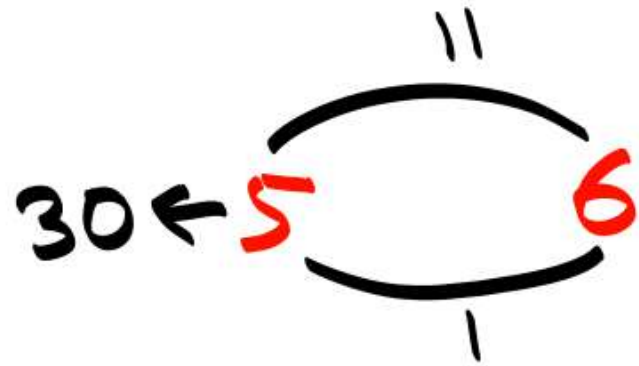
$$B^2 + C^2 = A^2$$

✓ [A] 31

[C] 23

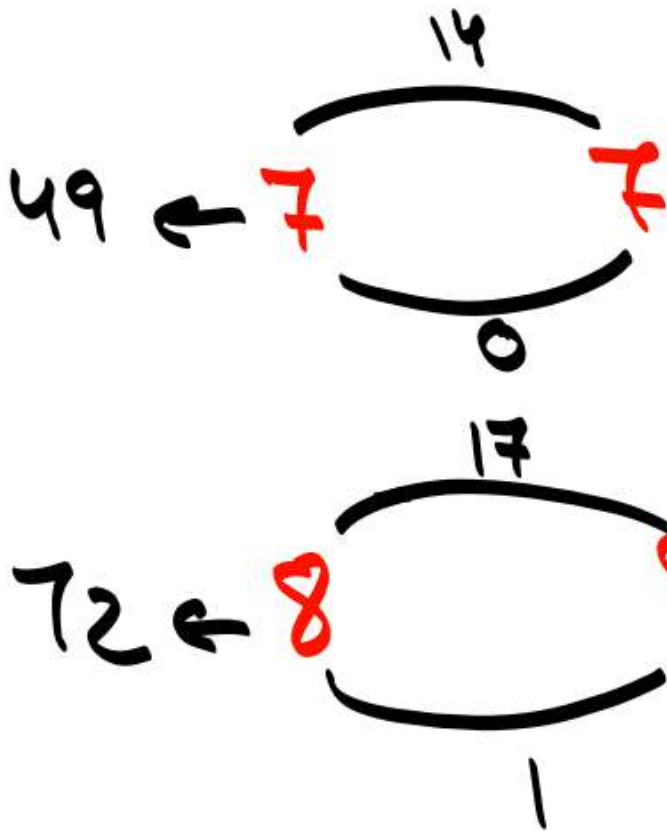
[B] 21

[D] 17



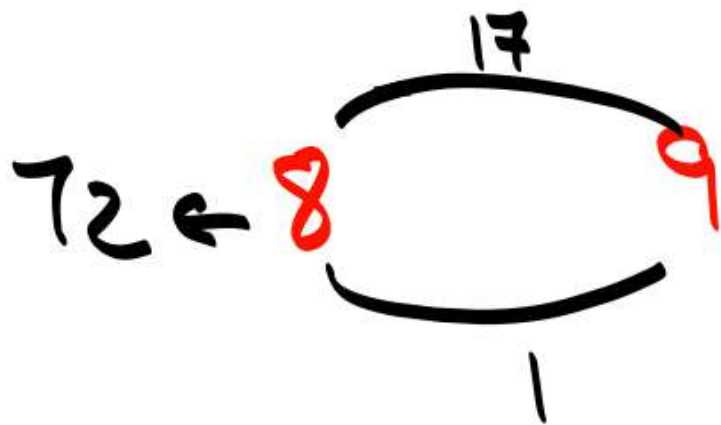
$$30 - 11$$

19



$$49 - 14$$

35



$$72 - 17$$

55

5	6	19
7	7	35
8	9	?

[A] 65

[C] 45

[B] 35

☒ [D] 55

$$\begin{array}{ccc} & \times 4 - 2 & \times 2 + 4 \\ 9 & \quad \quad 34 & \quad \quad 72 \end{array}$$

9	34	72
7	26	56
23	90	?

$$\begin{array}{ccc} & \times 4 - 2 & \times 2 + 4 \\ 7 & \quad \quad 26 & \quad \quad 56 \end{array}$$

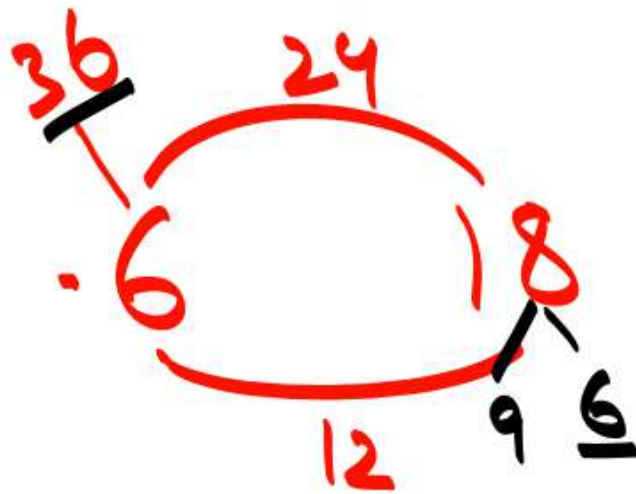
$$\begin{array}{ccc} & \times 4 - 2 & \times 2 + 4 \\ 23 & \quad \quad 90 & \quad \quad (184) \end{array}$$

~~[A] 184~~

[C] 146

[B] 148

[D] 164



$$36 + 6 = 42$$

36	18	36 + 6
6	6	42
25	15	25 + 5 = 30
?	5	
49	36	49 + 2 = 51
7	9	61
	÷ 3	

A

B

C

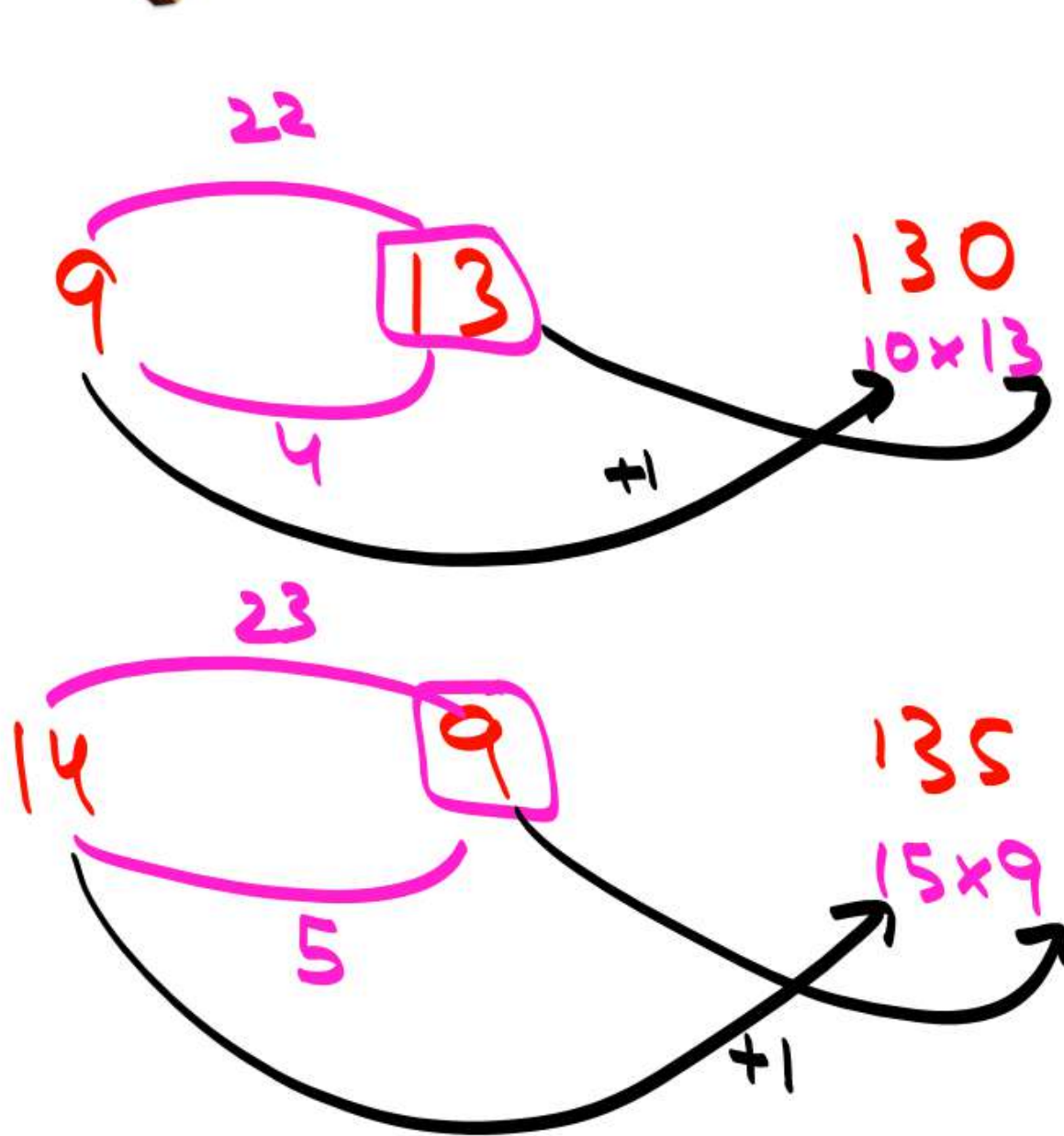
$$A^2 + \frac{B}{3} = C$$

✓ [A] 30

[C] 25

[B] 53

[D] 45



9	14	7 ⁸	
130	135	168	21
13	9	?(21)	

[A] 11

☒ [C] 21

[B] 15

[D] 19

C B D

$$\checkmark (A+1)C=B$$
$$\checkmark AC+C=B$$