



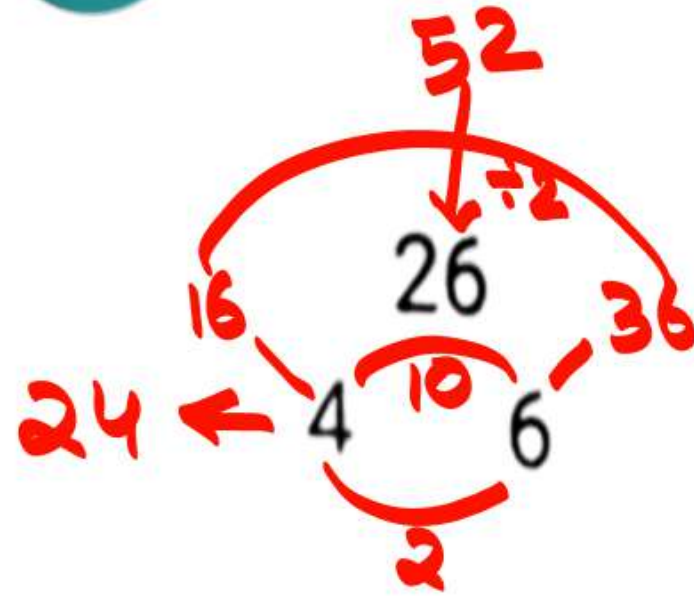
Missing Number

Relation Between 3 or more number



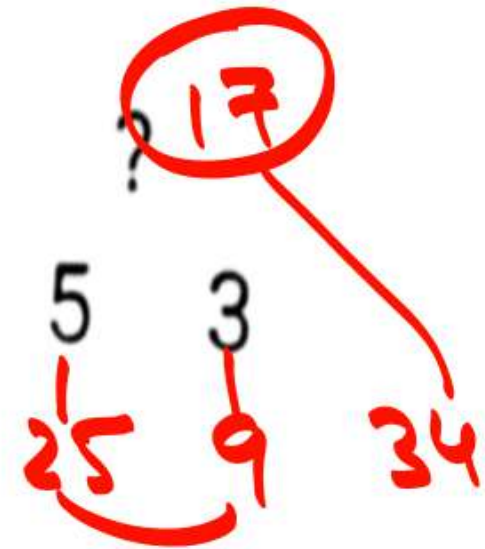
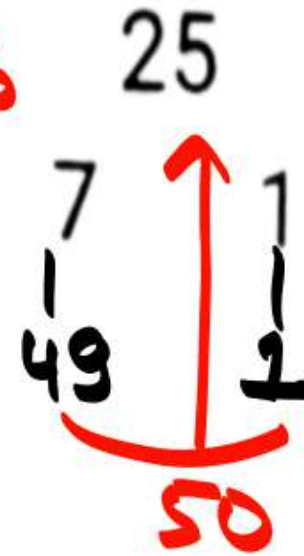
a b c

$$\frac{b^2 + c^2}{2} = a$$



☒ [A] 17

[C] 19



[B] 24

[D] 22

$$\begin{array}{ccc} & 156 & \\ \swarrow & & \searrow \\ 69 & & 87 \\ \nwarrow & & \nearrow \\ & 18 & \end{array} \quad \div 4 \quad 39$$

$$69, 87, = 39$$

$$93, 95 = 47$$

$$52, 64 = ?$$

$$\checkmark [A] 29$$

$$[C] 45$$

$$\frac{116}{4} = 29$$

$$[B] 37$$

$$[D] 53$$

$$\begin{array}{ccc} & 188 & \\ \swarrow & & \searrow \\ 93 & & 95 \\ \nwarrow & & \nearrow \\ & 2 & \end{array} \quad \div 4 \quad 47$$

$$a, b = c$$

$$\boxed{\frac{a+b}{4} = c}$$

In each of the given number-clusters, the number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the four numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

दिए गए प्रत्येक संख्या-समूह में, '=' (चिह्न के बराबर) के दाईं ओर की संख्या की गणना = (चिह्न के बराबर) के बाईं ओर की चार संख्याओं पर कुछ गणितीय परिचालन करके की जाती है। सभी तीन संख्या-समूह एक ही पैटर्न का अनुसरण करते हैं। दिए गए विकल्पों में से उस संख्या का चयन करें जो तीसरे संख्या-समूह में प्रश्न चिह्न (?) को प्रतिस्थापित कर सके।

$$12, 4, 37, 25 = 4$$

$$2, 36, 87, 51 = 2$$

$$18, 3, 58, 49 = ?$$

[A] 5

[C] 8

[B] 6

[D] 7

a, b, c, d

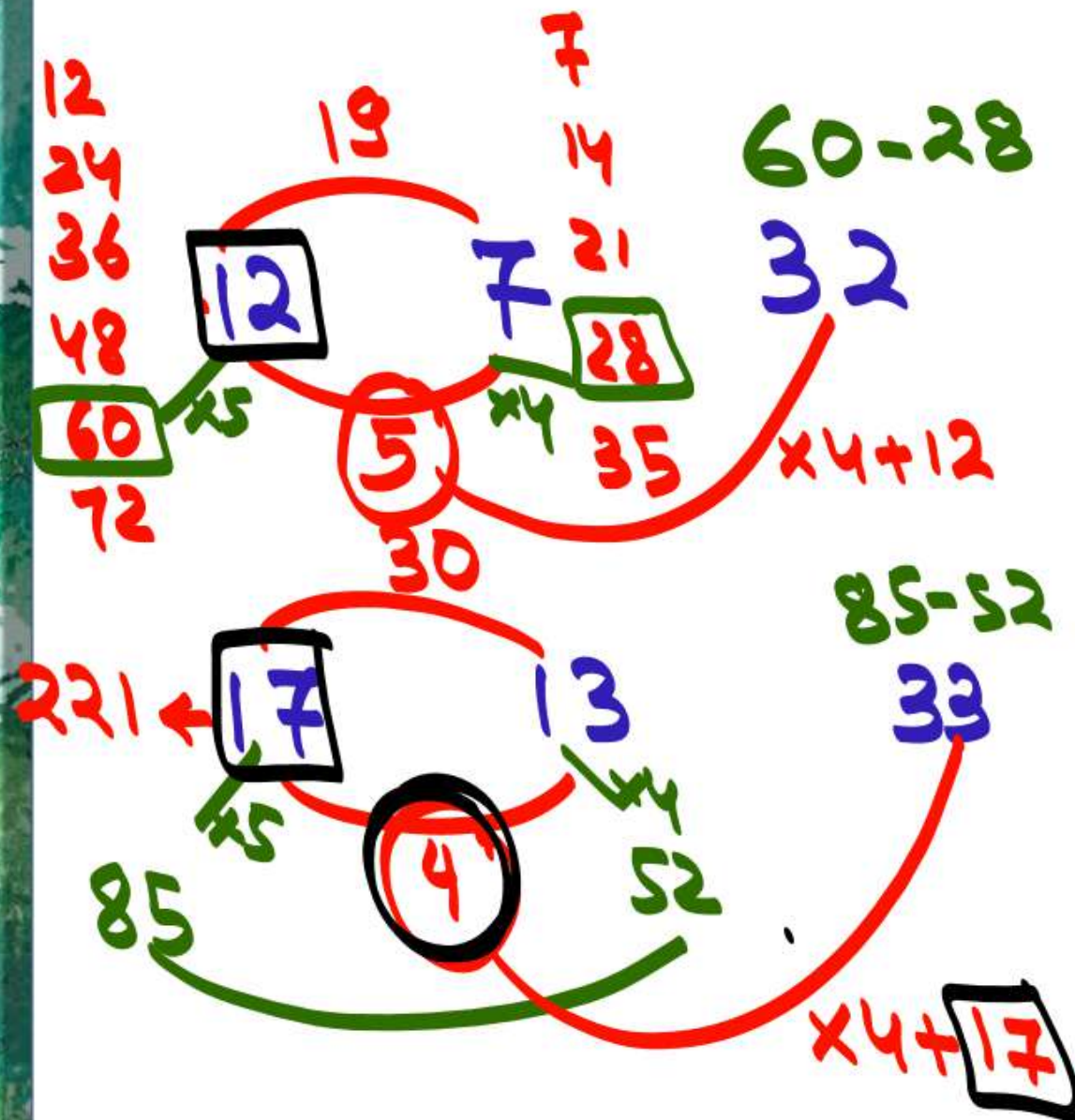
$$a \times b \div (c - d)$$

$$18 \times 3 \div (58 - 49)$$

$$54 \div 9$$

6

$$12 \times 4 \div 37 - 25 = 4$$



Study the given pattern carefully and select the number that can replace the question mark (?) in it.

दिए गए पैटर्न का ध्यानपूर्वक अध्ययन करें और उस संख्या का चयन करें जो उसमें प्रश्न चिह्न (?) को प्रतिस्थापित कर सके।

First row - 12, 7, 32

Second row - 17, 13, 33

Third row - 14, 8, ?

[A] 42

[C] 43

[B] 38

[D] 35

$$5a - 4b = c$$

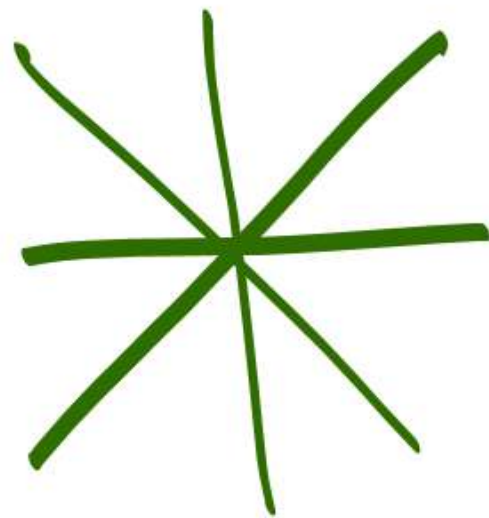
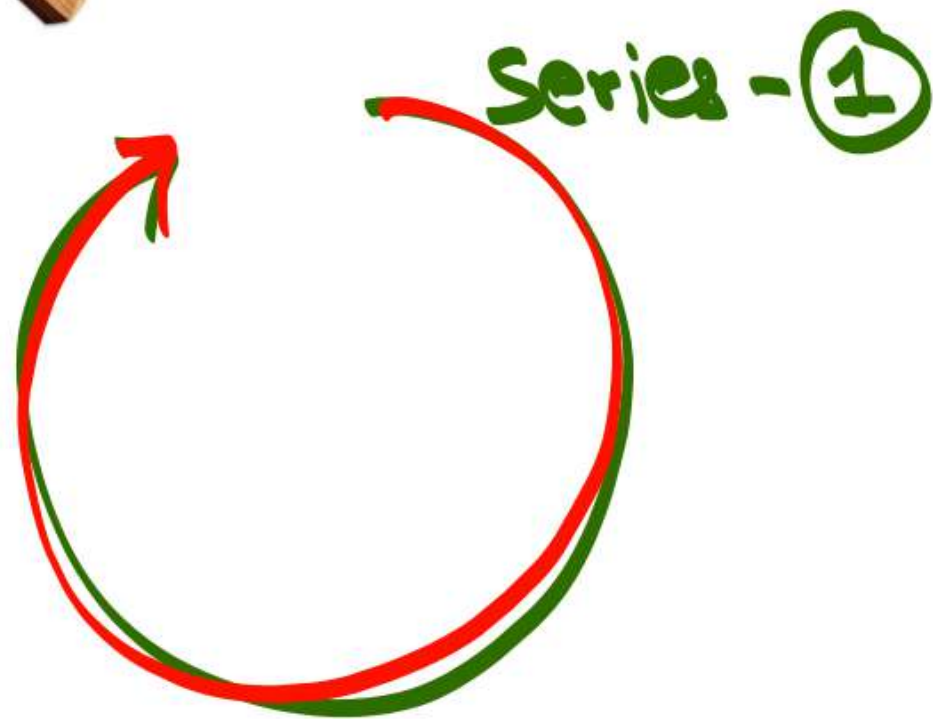
$$4(a - b) + a = c$$

$$12x + 7y = 32$$

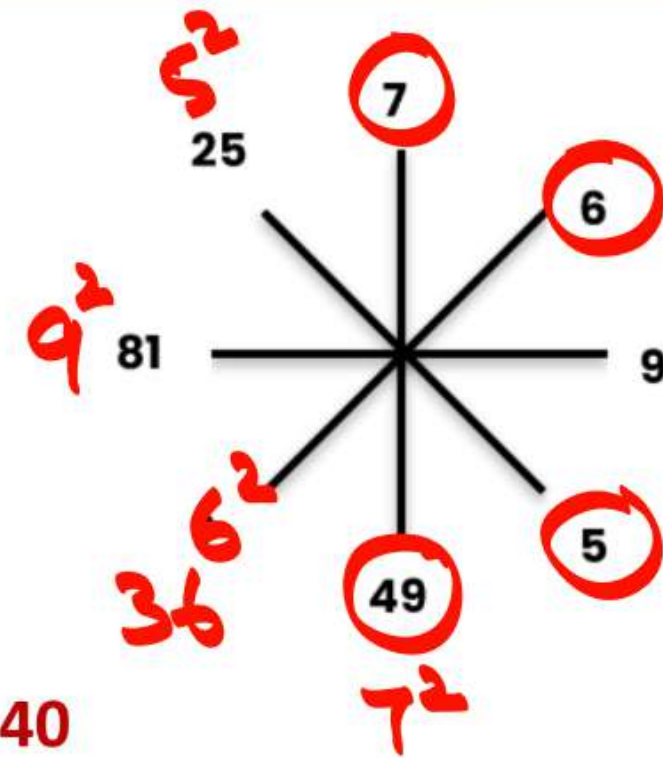
$$17x + 13y = 33$$

$$x = 5$$

$$y = -4$$



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[A] 40

[C] 50

[B] 25

✓ [D] 36

The represents a set of calculations that are common across all the given equations. Identify the calculations involved and solve the third equation on the same basis:

यह गणनाओं के एक सेट का प्रतिनिधित्व करता है जो दिए गए सभी समीकरणों में सामान्य है। इसमें शामिल गणनाओं को पहचानें और उसी आधार पर तीसरे समीकरण को हल करें:

$$25 \quad \boxed{} \quad 36 = 5:6;11$$

$$100 \quad \boxed{} \quad 64 = 10;8;18$$

$$36 \quad \boxed{} \quad 81 = ? ; ? ; ?$$

6;9;15

[A] 9;9;117

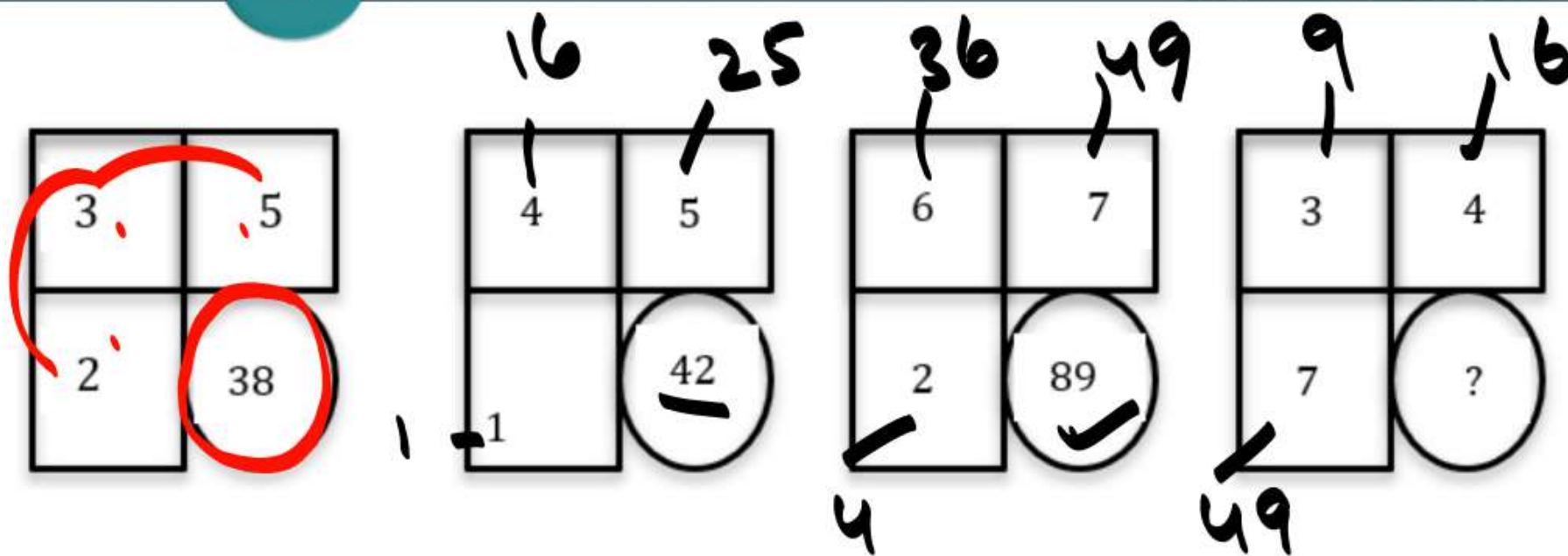
[C] 4; 11; 18

[B] 10; 6;4

✓ [D] 6; 9; 15

question

27



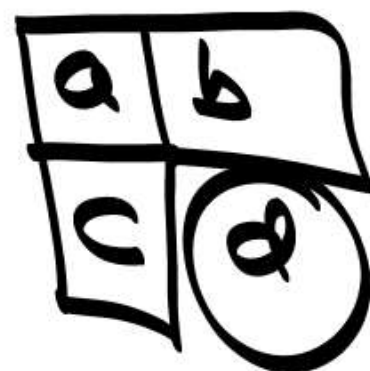
$$2^2 - 1 + 3^2 - 9 + 5^2 - 25 \Rightarrow 38$$

[A] 31

[B] 14

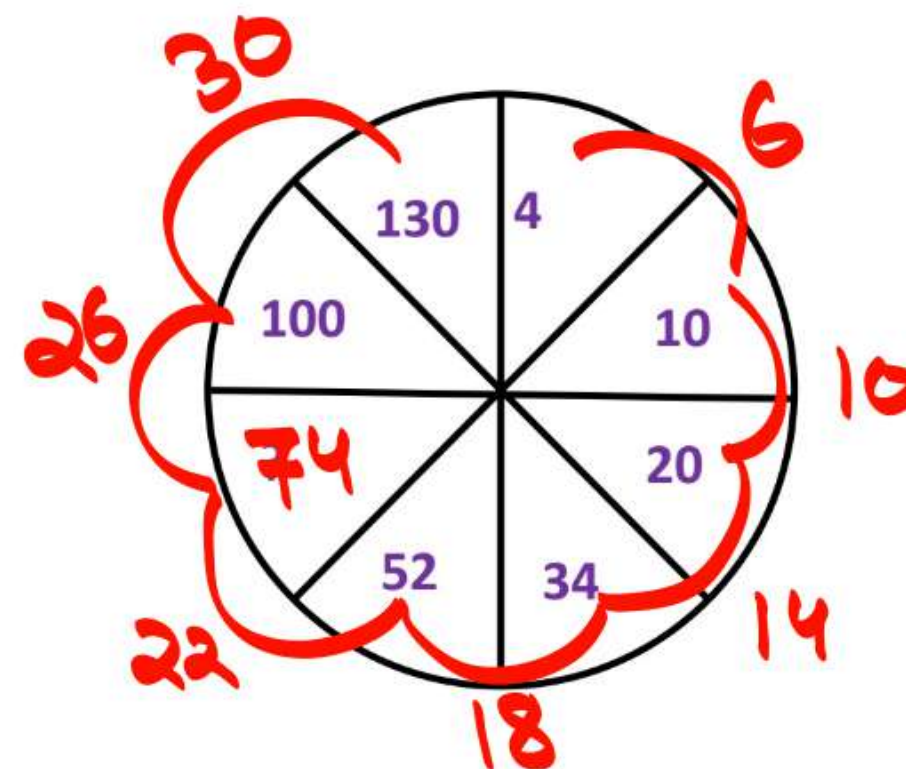
[C] 74

[D] 84



$$a^2 + b^2 + c^2 = d$$





[A] 64

[B] 96

[C] 82

✓ [D] 74

$$\frac{S}{A} + (A-1) = B$$

~~$$\frac{S}{a} + (b-a)$$~~

~~$$(b-a) + a + a$$~~

~~$$a \times b - 2A = C$$~~

$$\frac{84}{3} + (3-1)$$

$$\frac{18}{2} + (2-1)$$

3	30	84
2	10	18
4	68	260

$$28 \times 3$$

$$9 \times 2 \quad 3 \times 6$$

$$4 \times 65$$

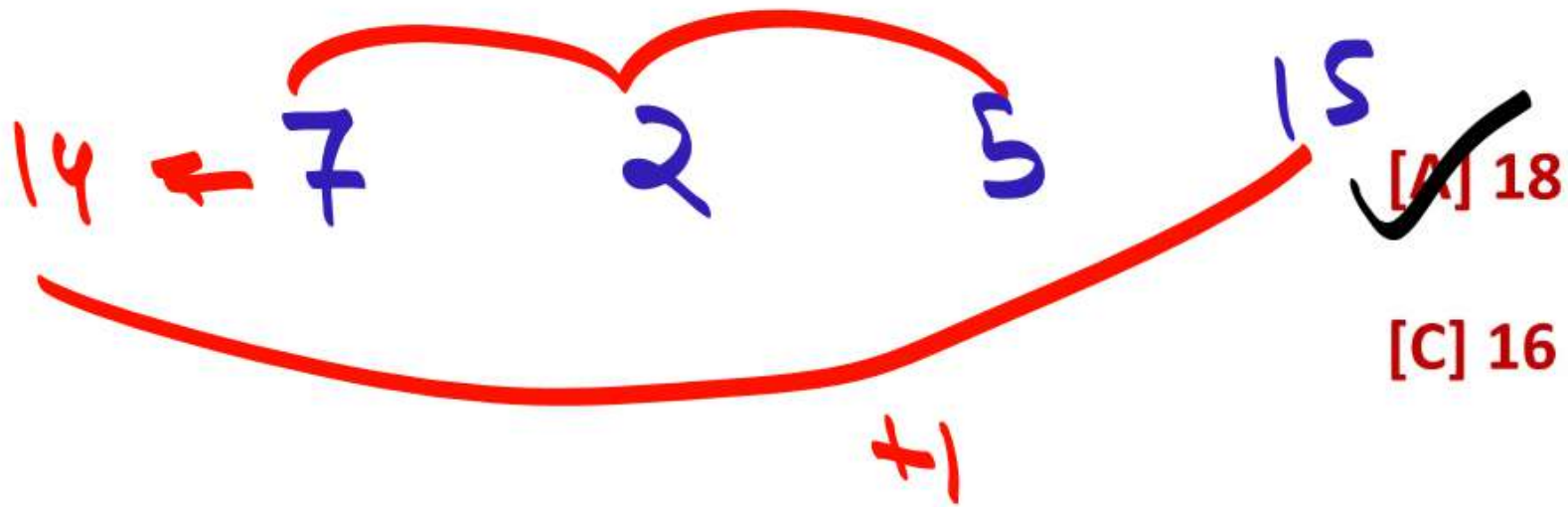
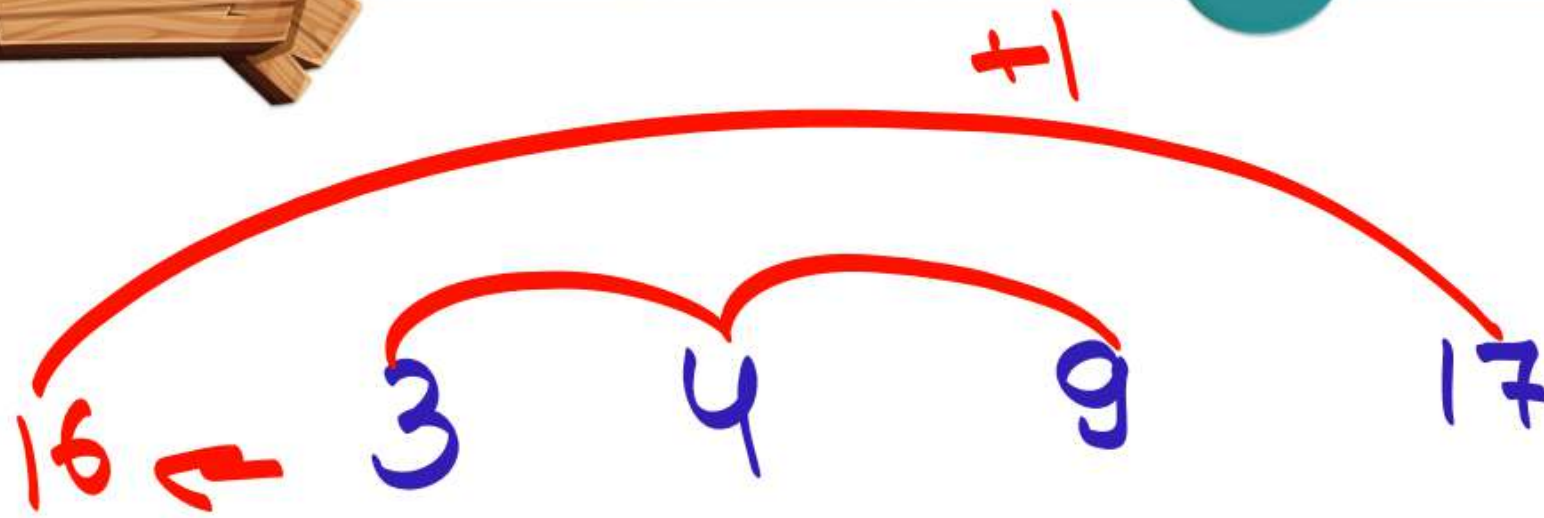
$$\frac{260}{4} = 65 + (4-1) = 68$$

[A] 64

[B] 60

[C] 16

[D] 68



3	4	9	17
7	2	5	15
6	8	3	?

$$a + b + c + 1 = d$$

[A] 18

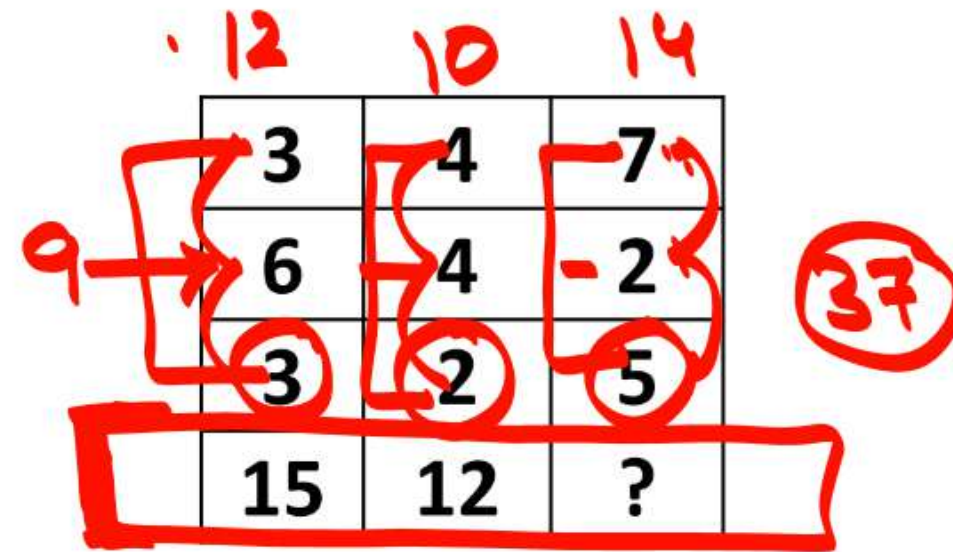
[C] 16

[B] 20

[D] 28

a
b
c
d

$$a + b + 2c = d$$

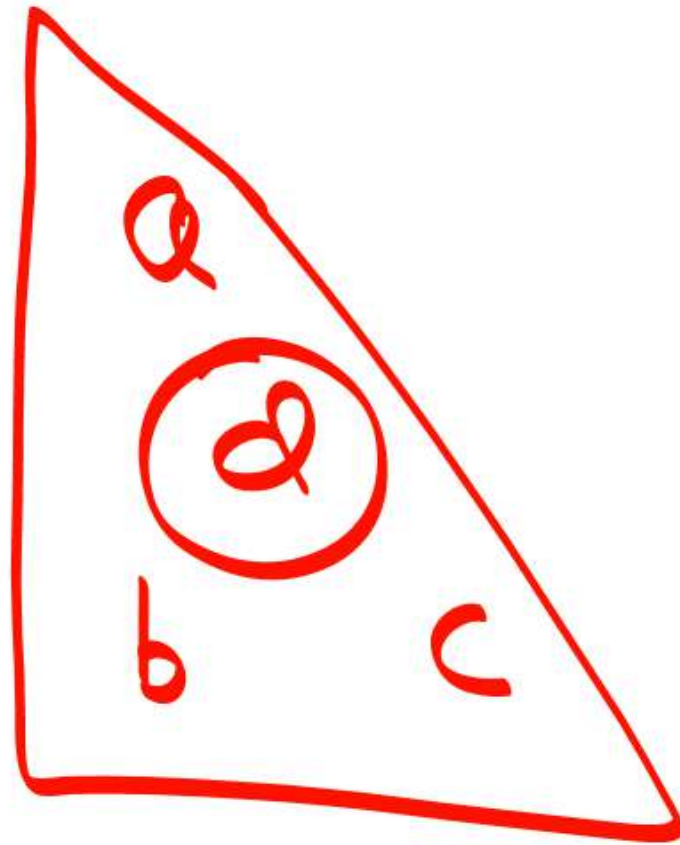


[A] 41 ,

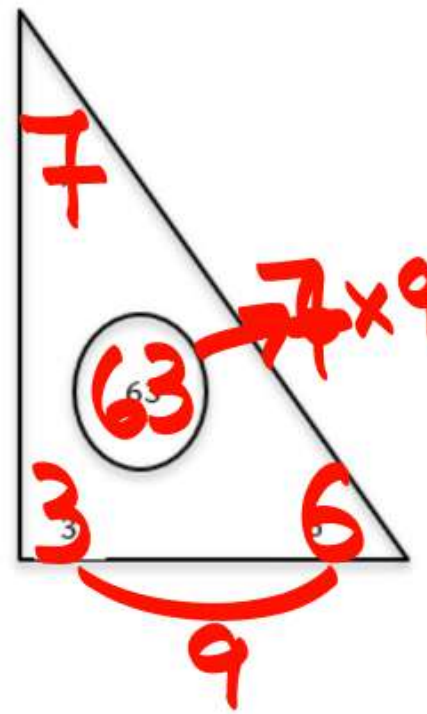
[B] 43

✓ [C] 37 ,

[D] 31 ,

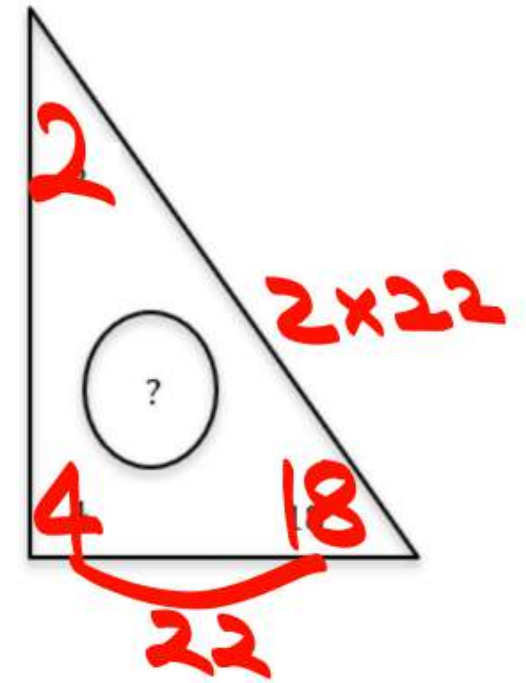
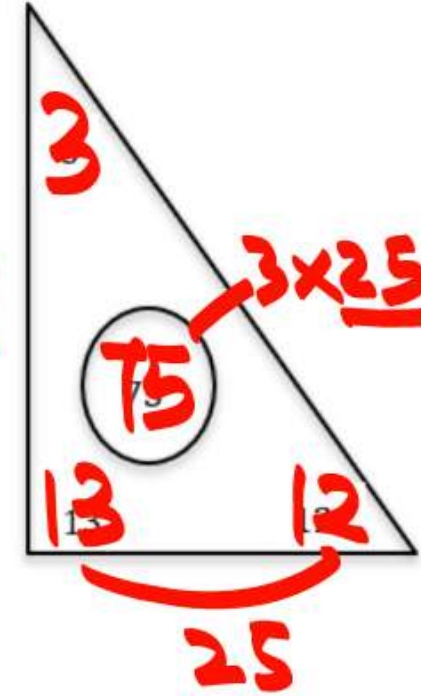


$$\underline{a(b+c)=d}$$



[A] 144

✓ [C] 44

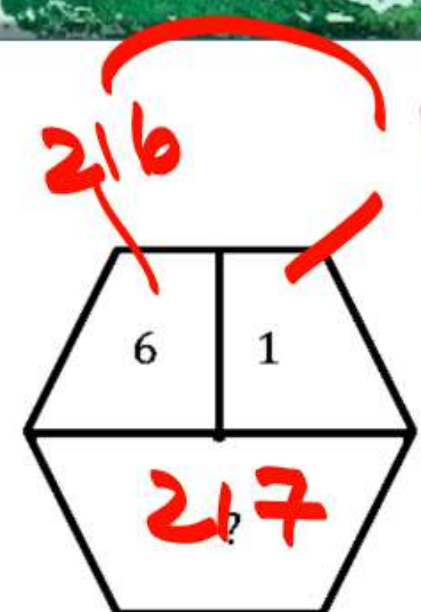
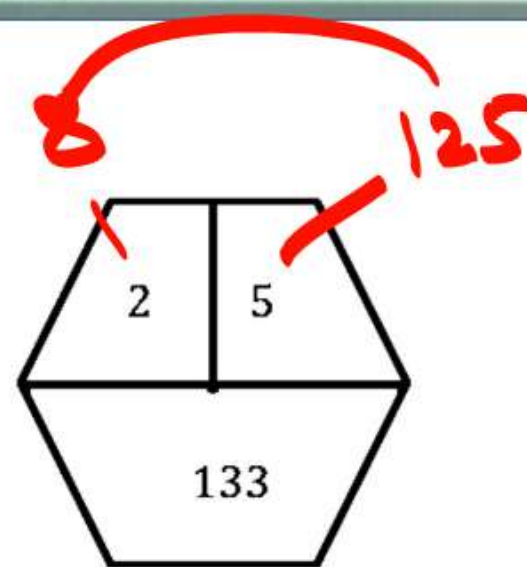
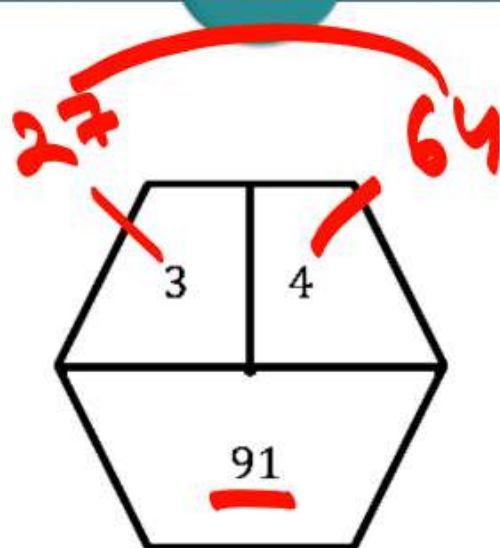


[B] 22

[D] 87

question

33



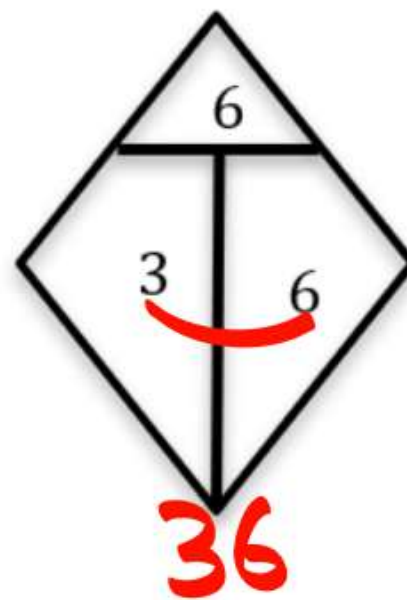
☒ [A] 217

[C] 200

[B] 191

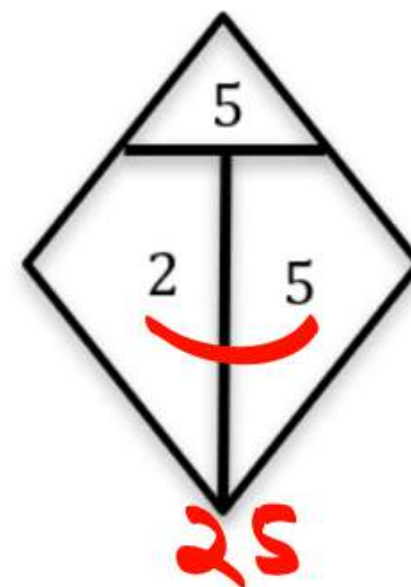
[D] 167

$$\frac{a \times b}{a}$$

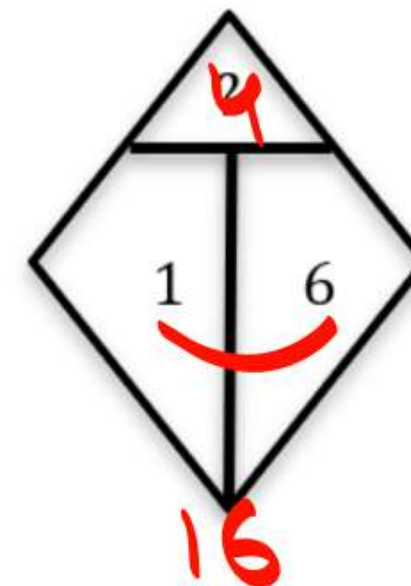


[A] 2

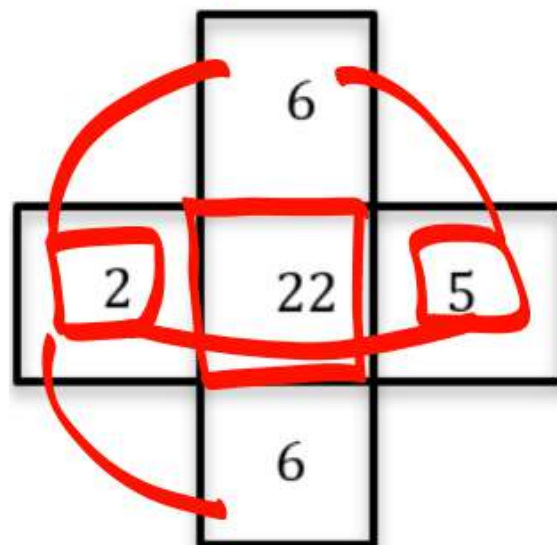
[C] 7



[B] 3

☒ [D] 4

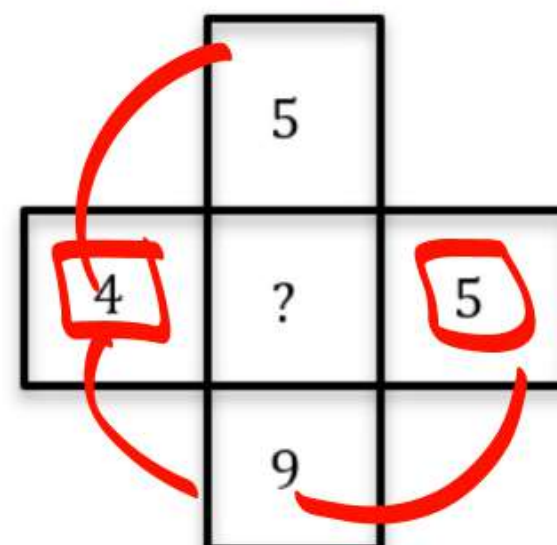
$$10 + 6 + 6$$



[A] 22

☒ [C] 34

23



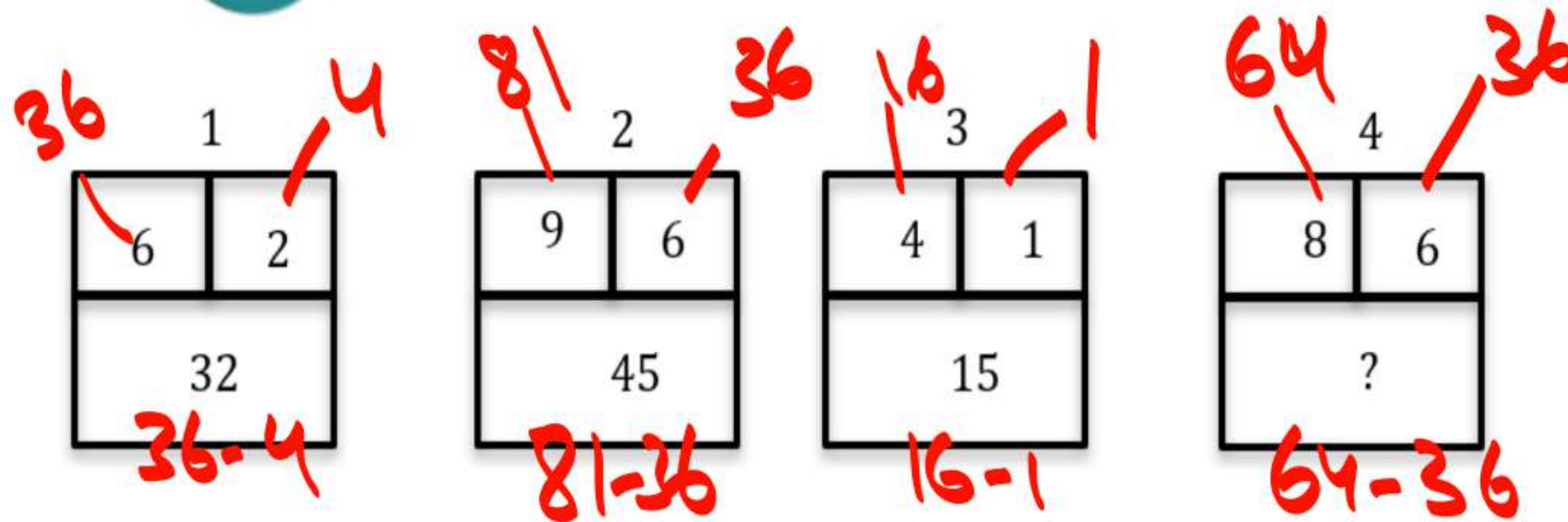
$$20 + 5 + 9 = 34$$

[B] 5

[D] 24

question

36



[A] 48

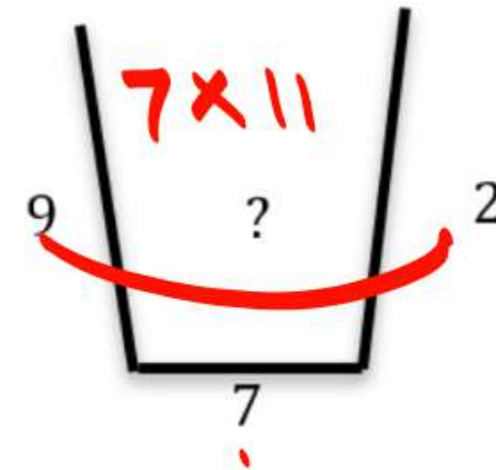
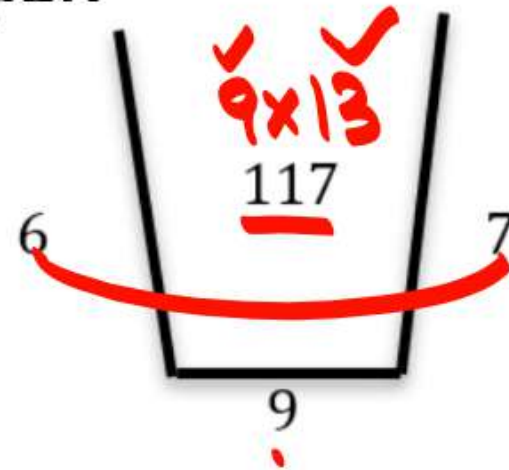
[B] 14

✓ [C] 28

[D] 2

Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

दिए गए पैटर्न का ध्यानपूर्वक अध्ययन करें और दिए गए विकल्पों में से उस संख्या का चयन करें जो इसमें प्रश्न चिह्न (?) को प्रतिस्थापित कर सके।

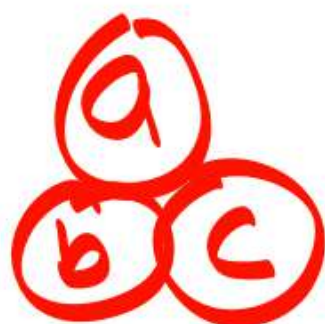


[A] 520

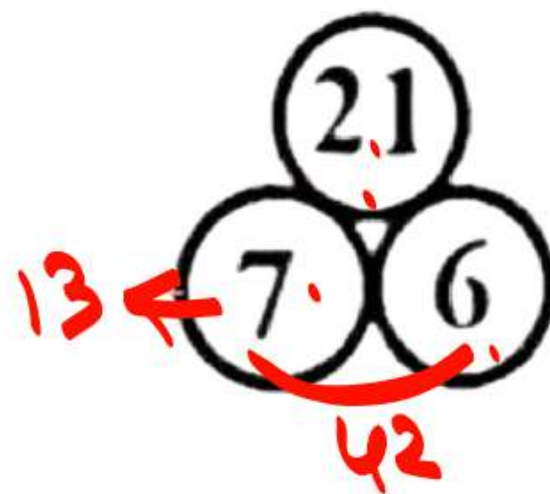
[B] 250

☒ [C] 77

[D] 126

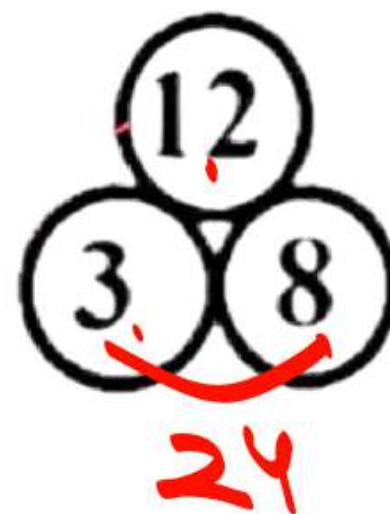


$$\frac{b \times c}{2} = a$$



[A] 9

[C] 31

☒ [B] 7

[D] 14

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

दिए गए पैटर्न का ध्यानपूर्वक अध्ययन करें और उस संख्या का चयन करें जो इसमें प्रश्न चिह्न (?) को प्रतिस्थापित कर सके।

a b c d

$$a + b = c + d$$

15	10	5	20
27	11	8	30
45	10	15	?

[A] 10

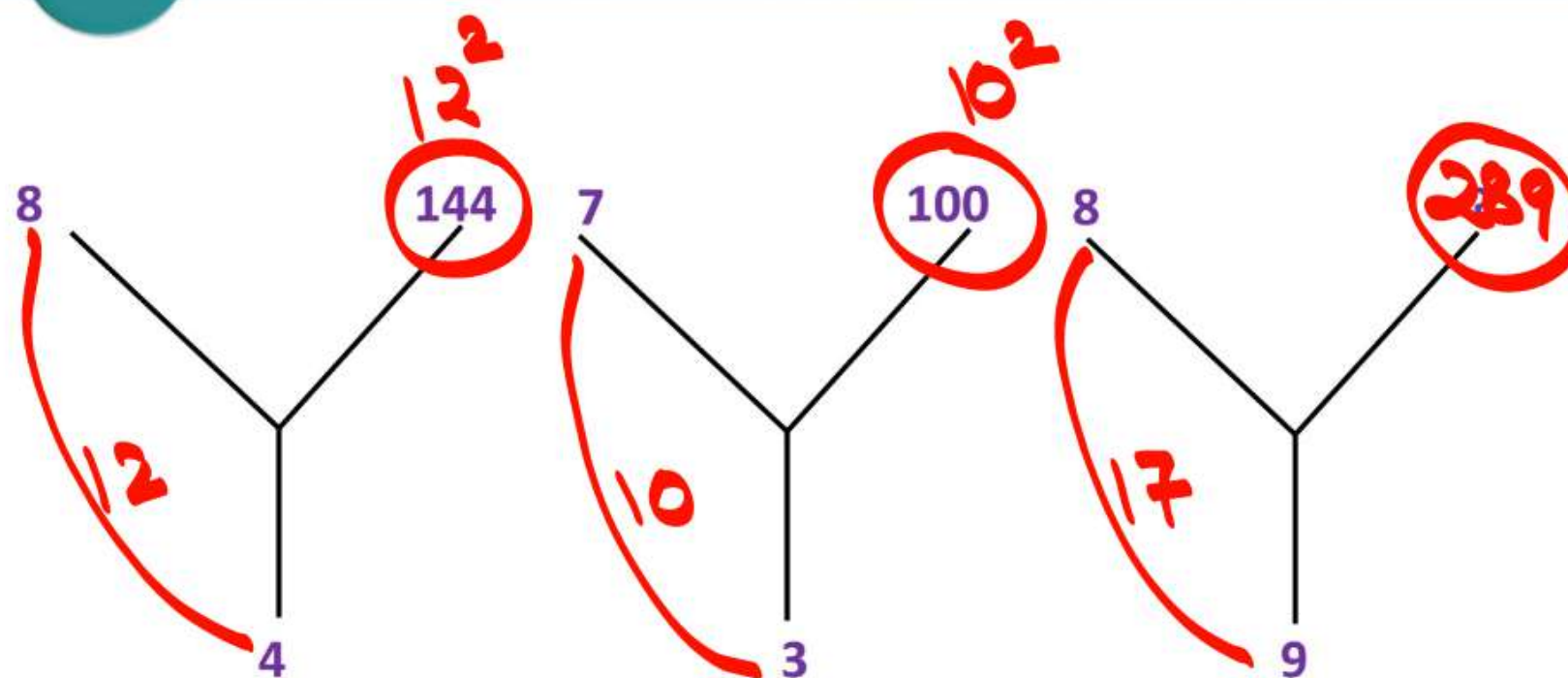
☒ [C] 40

[B] 20

[D] 30

question

40



☒ [A] 289

[B] 216

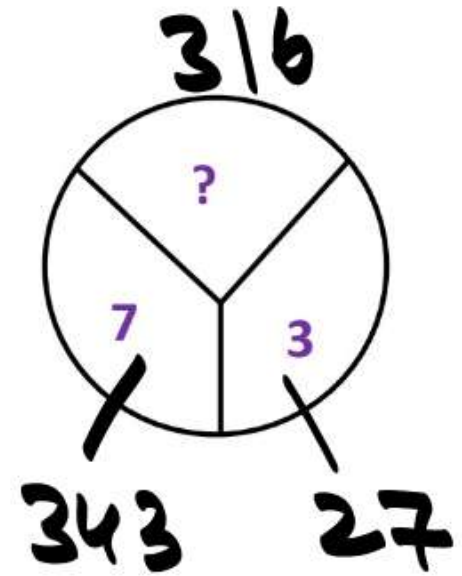
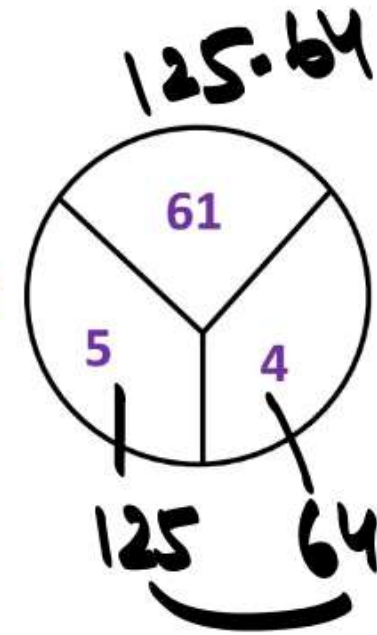
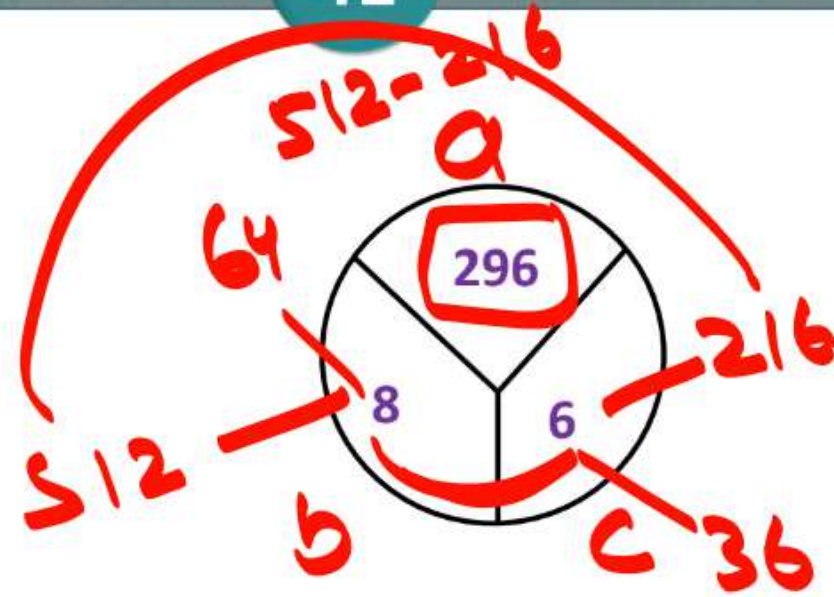
[C] 64

[D] 125



question

41



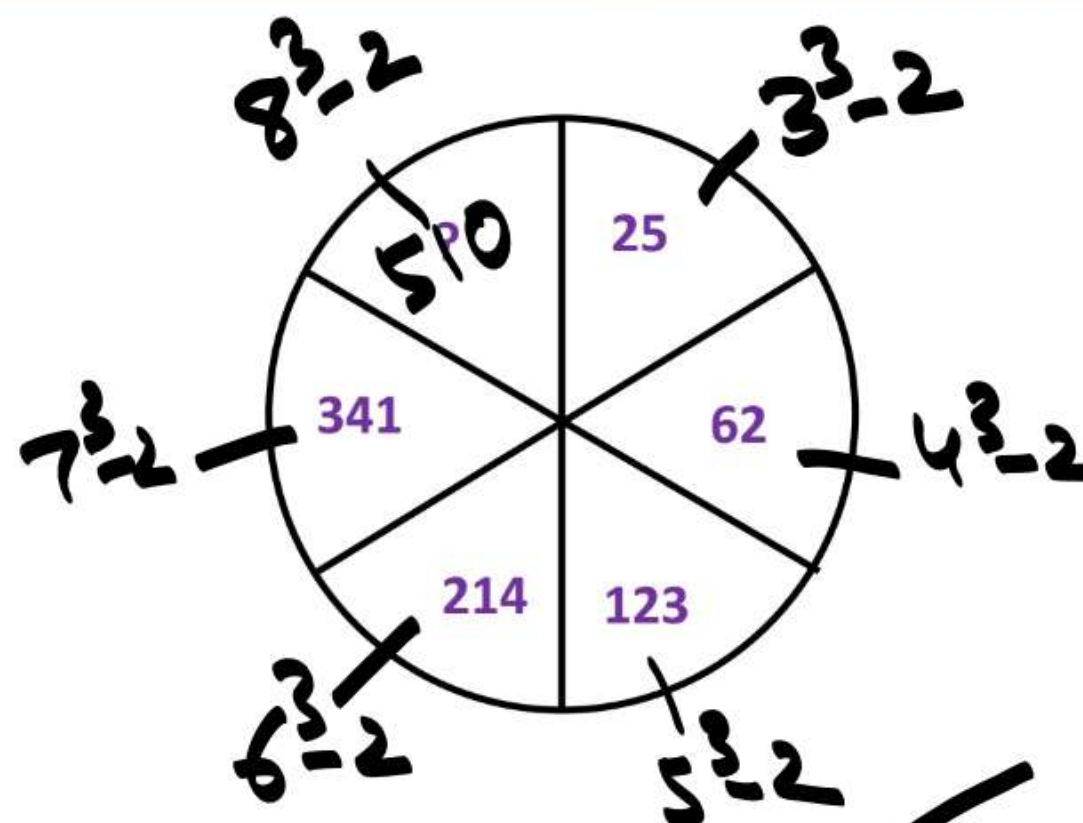
$$b^3 - c^3 = a$$

[A] 370

[C] 343

✓ [B] 316

[D] 272

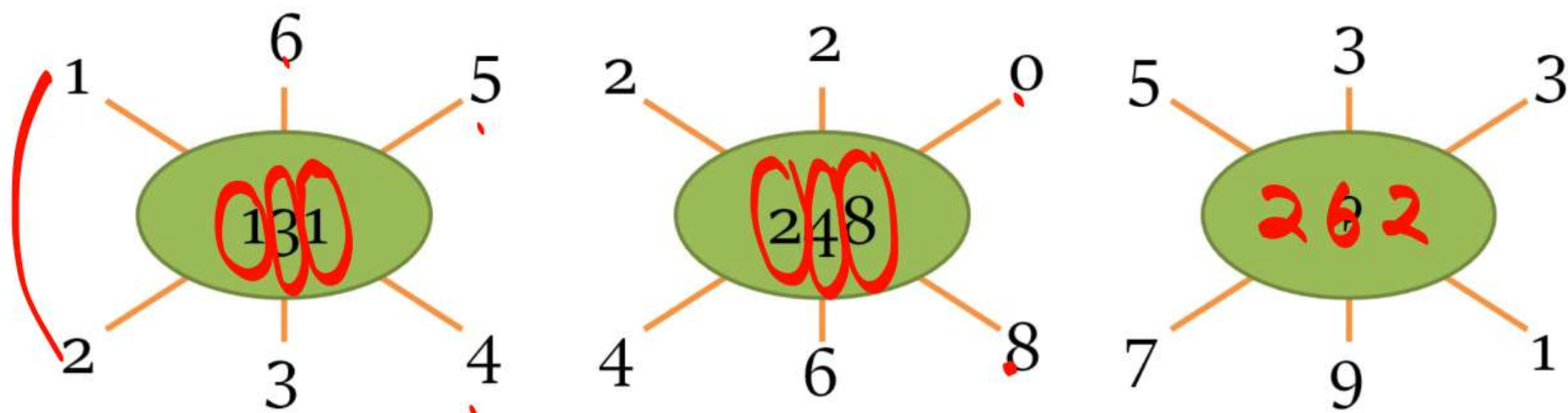


[A] 512

[B] 510

[C] 514

[D] 216



☒ [A] 262

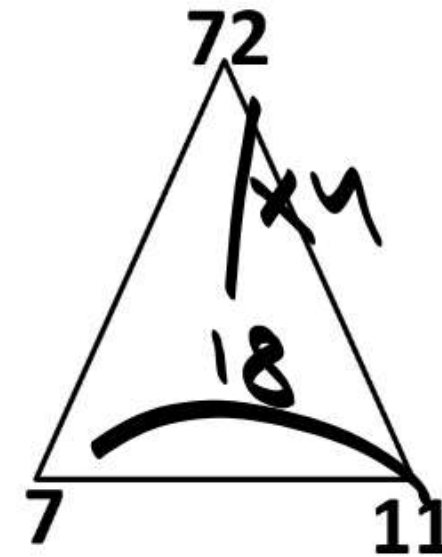
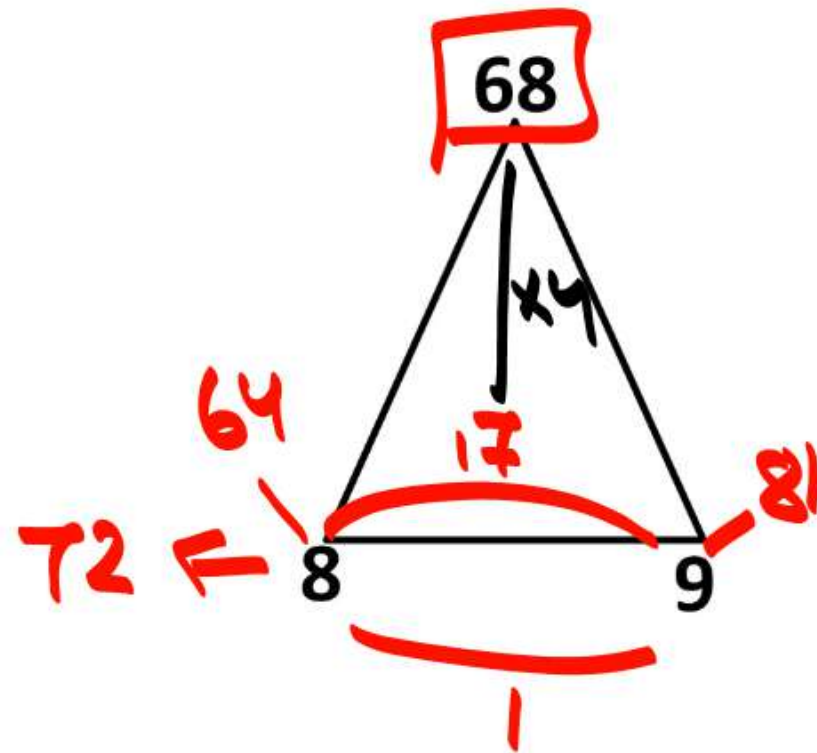
[C] 216

[B] 324

[D] 224

question

44



$$4(b+c)=a$$

[A] 70

[C] 72

[B] 90

[D] 100

question

45

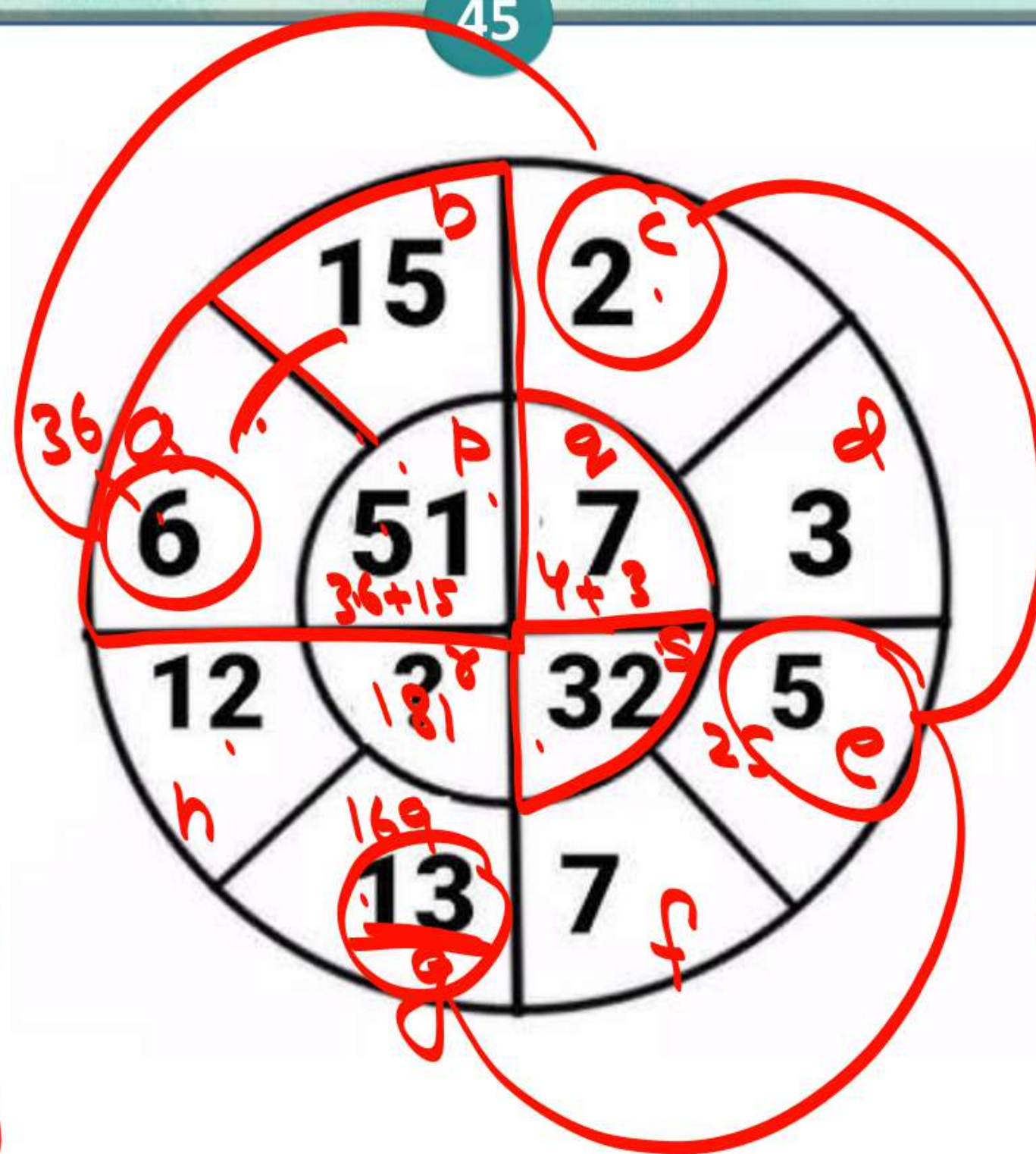


(6, 15, 51)

(2, 3, 7)

(12, 13, ?)

(5, 7, 32)

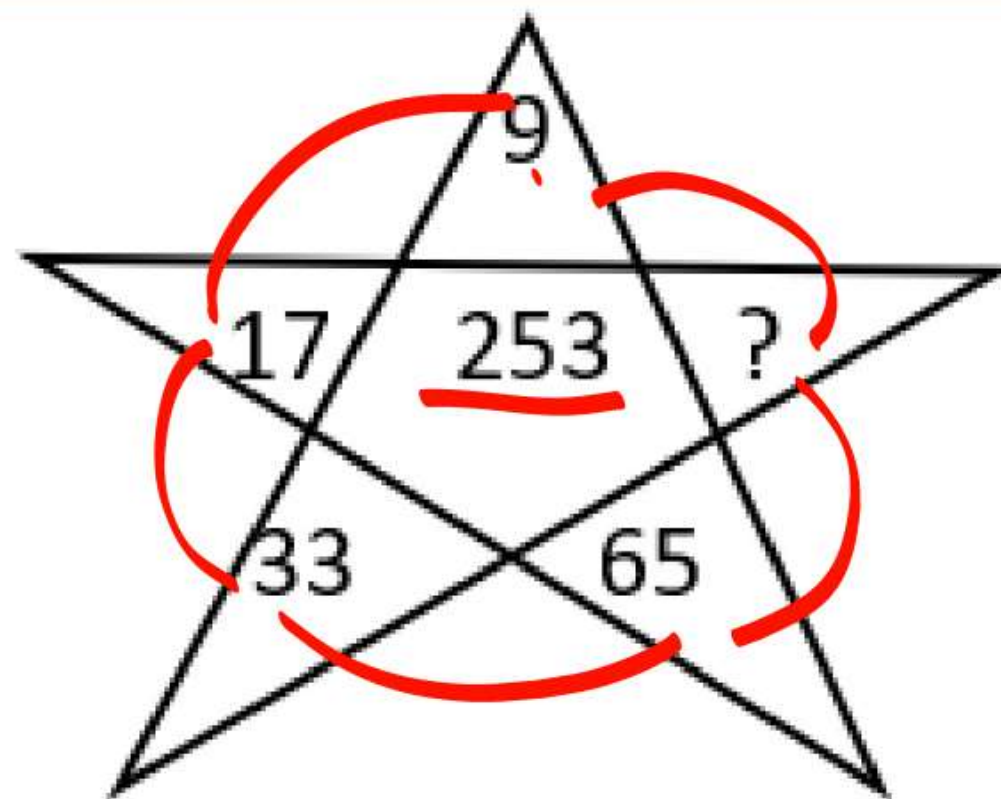


- (1) 156
- (2) 158
- (3) 157
- ✓ (4) 181

$$a^2 + b = p$$

$$c^2 + d = r$$



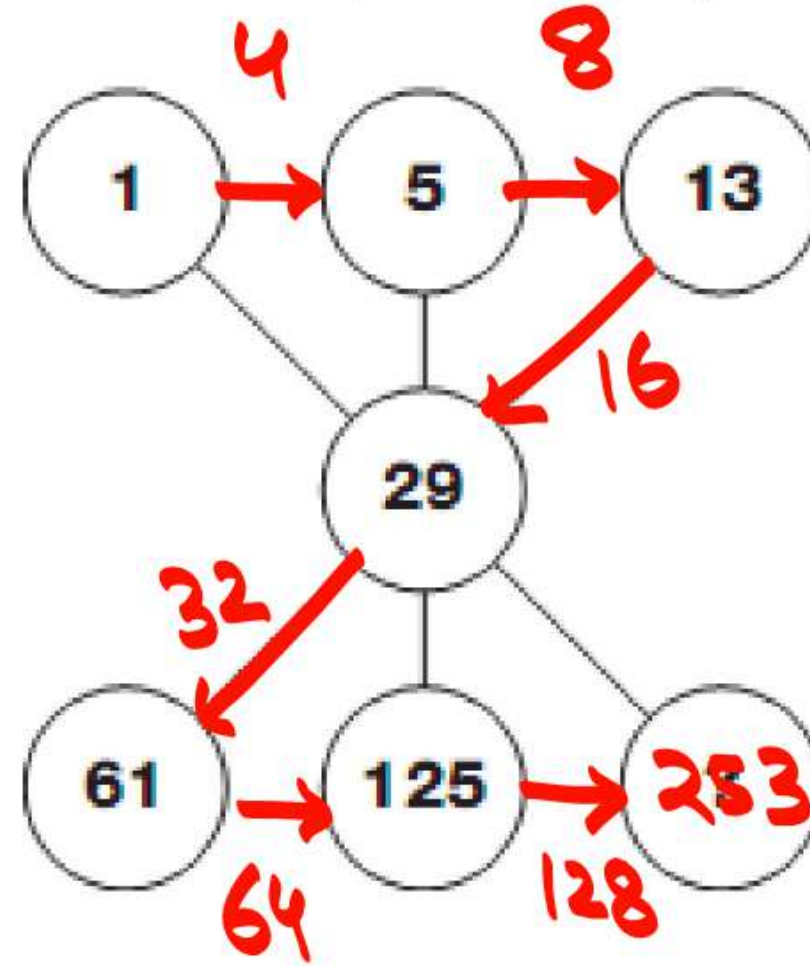


$$124 + 129$$

- A) 103
- ☒ b) 129
- c) 156
- d) 98

Which number replaces the question mark?

Series



✓ [A] 253

[B] 690

[C] 721

[D] 132

Which number replaces the question mark?

10		
8	13	5
16	6	10
4	19	15
22	?	20

[A] 7

[C] 72

[B] 2

[D] 10