



Missing Number

Relation Between 3 or more number

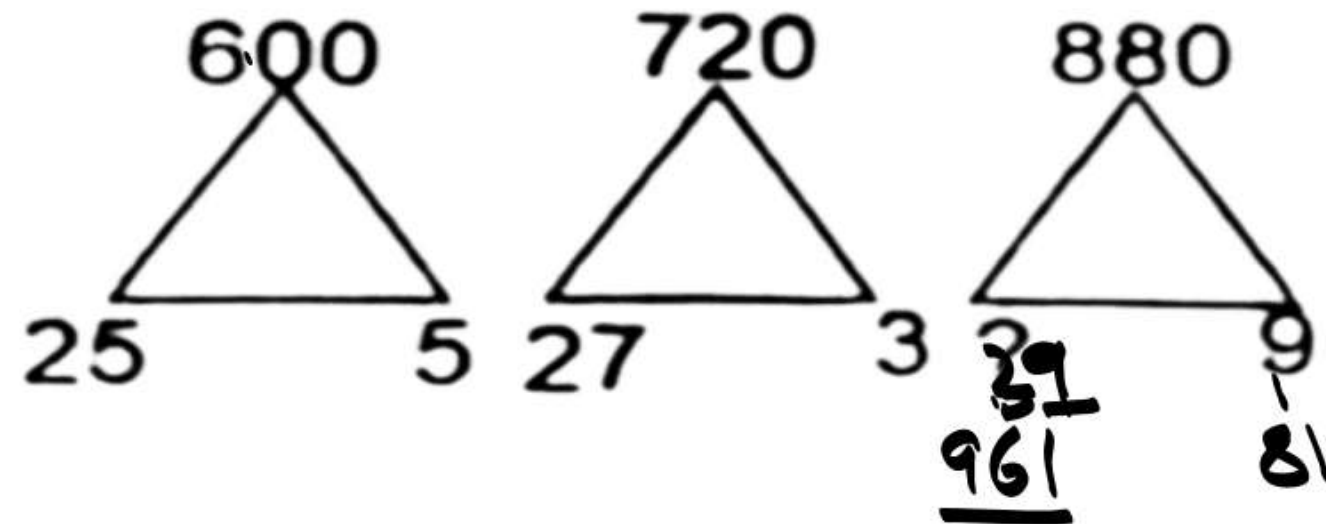


Handwritten calculations:

$$\begin{array}{r}
 125 \\
 \times 5 \\
 \hline
 625
 \end{array}$$

$625 - 25 = 600$
 (5) 2 (5) 20
 600

729
 $729 - 9 = 720$
 (3) 27

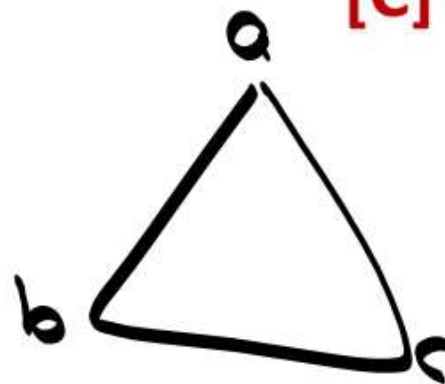


✓ [A] 31

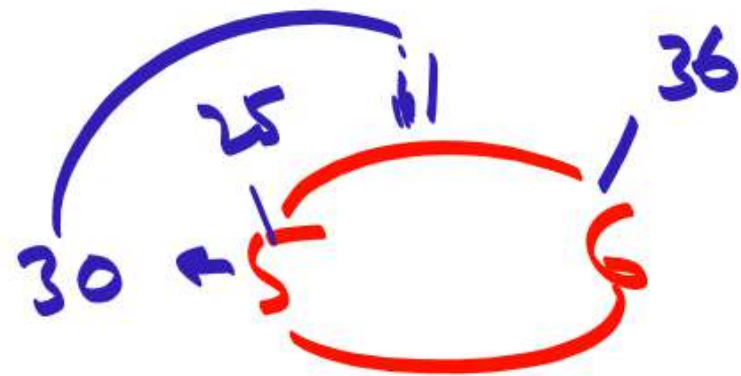
[C] 23

[B] 21

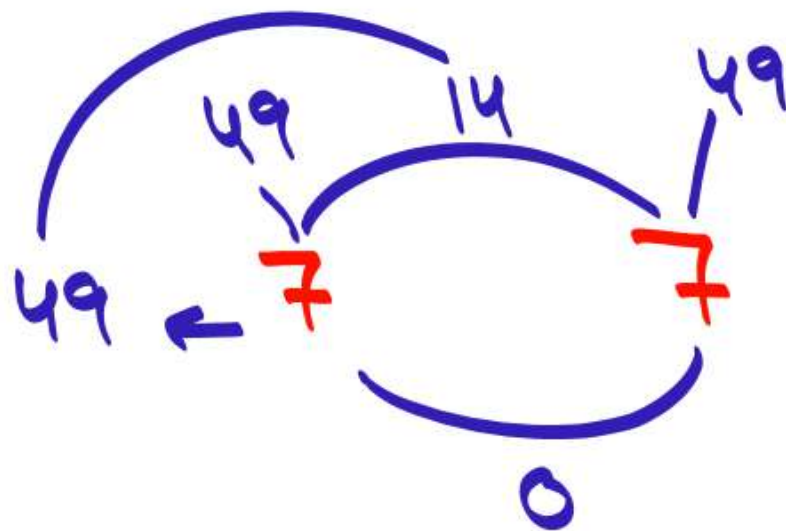
[D] 17



$$b^2 - c^2 = a$$



$$30 - 11$$
$$\underline{19}$$



$$49 - 14$$
$$35$$

$$a \times b - (a + b) = c$$

↓	5	6	19
↓	7	7	35
↓	8	9	?

$72 - 17 = 55$

[A] 65

[B] 35

[C] 45

✓ [D] 55

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

	↓	↓	↓
→	9	34	72
→	7	26	56
→	23	90	?

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

$$\begin{array}{ccc} & \times 4 - 2 & \times 2 + 4 \\ 23 & \rightarrow 90 & \rightarrow ? \end{array}$$

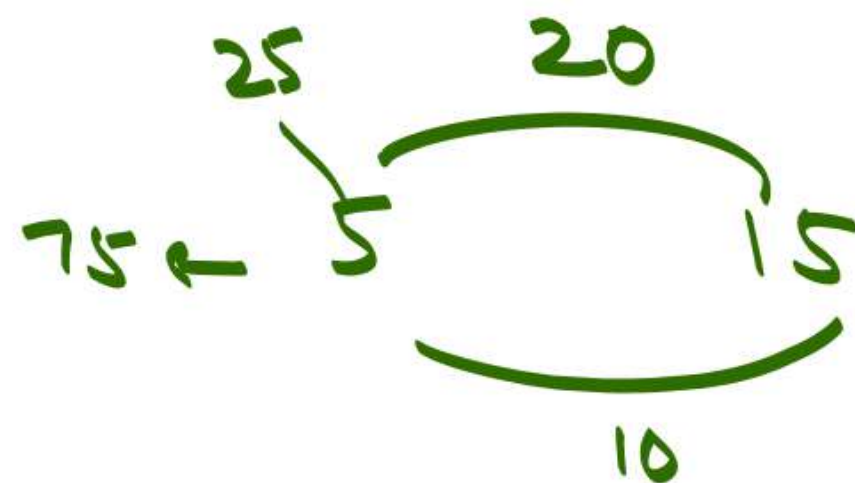
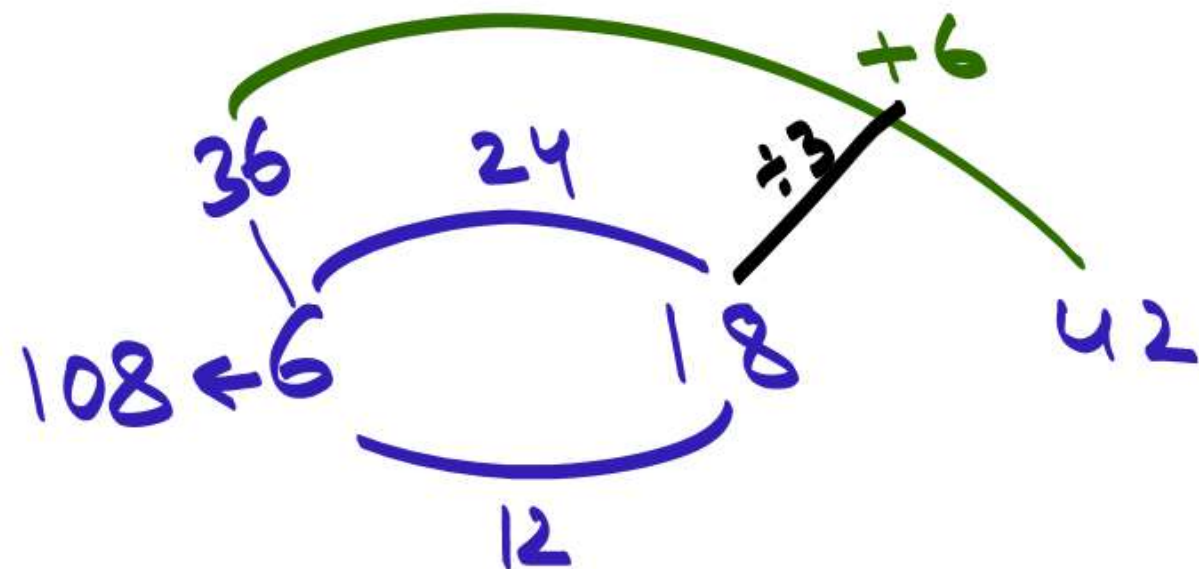
✓ [A] 184

[C] 146

[B] 148

[D] 164





*

6	18	42
5	15	?
7	36	61
a	b	c

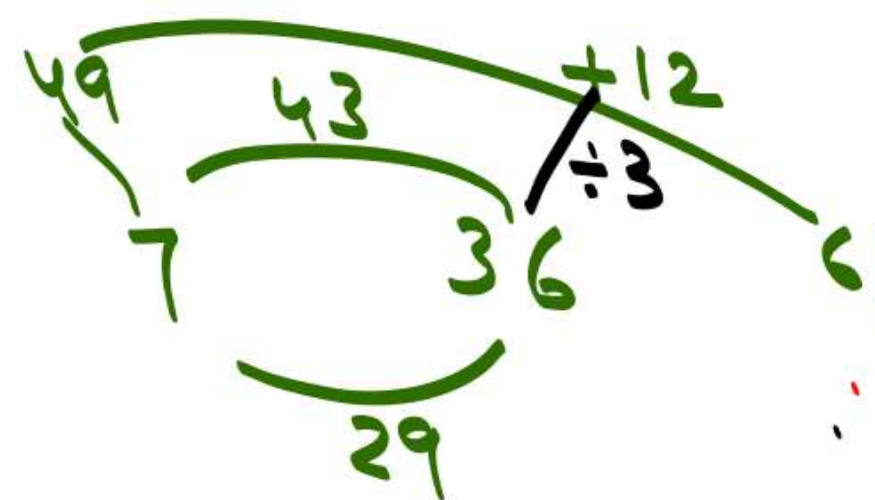
$$a^2 + \frac{b}{3} = c$$

~~[A] 30~~

[C] 25

[B] 53

[D] 45



a b c

$$(a+1)c = B$$

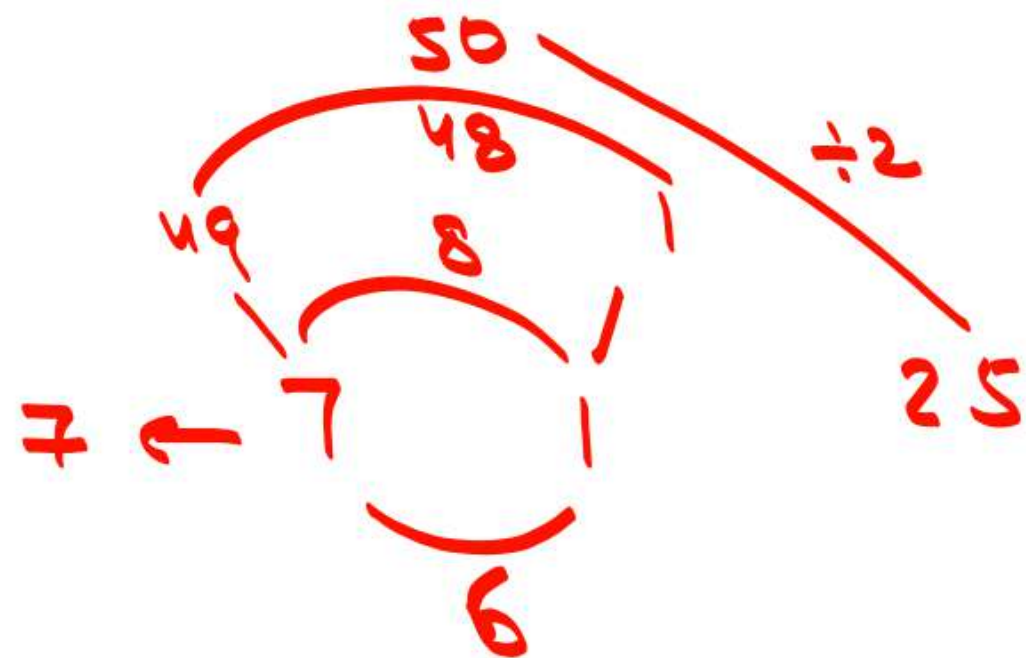
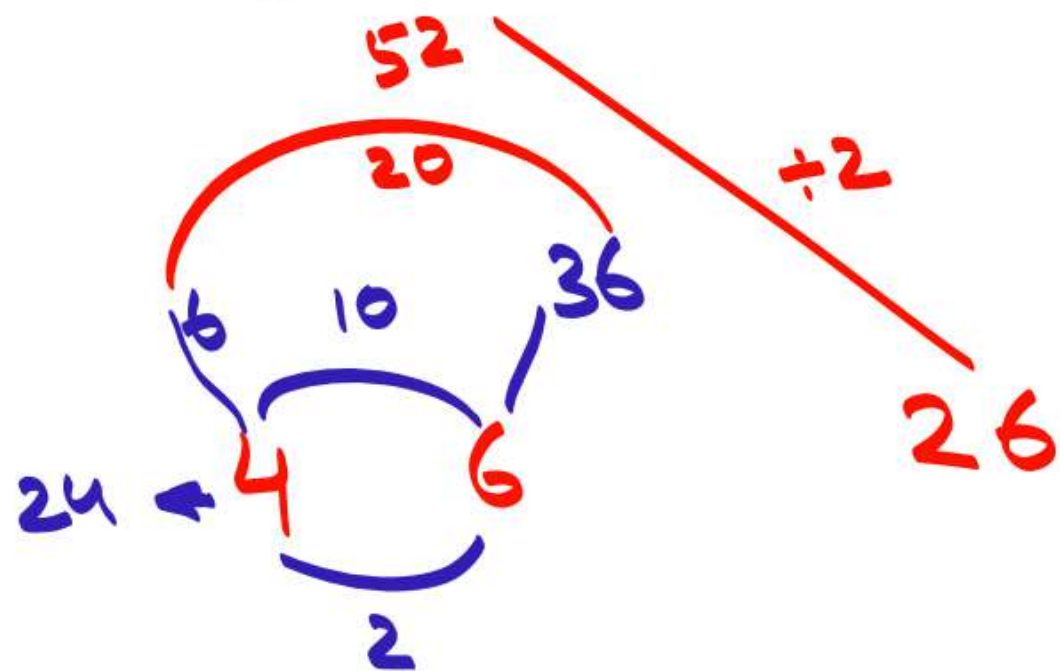
	↓	↓	↓
	9	14	7
→	13 × 10 = 130	9 × 15 = 135	21 × 8 = 168
	13	9	?

[A] 11

✓ ~~[C] 21~~

[B] 15

[D] 19



26
4 6

25
7 1

?

$$\frac{25 + 9}{2} \Rightarrow 17$$

✓ [A] 17

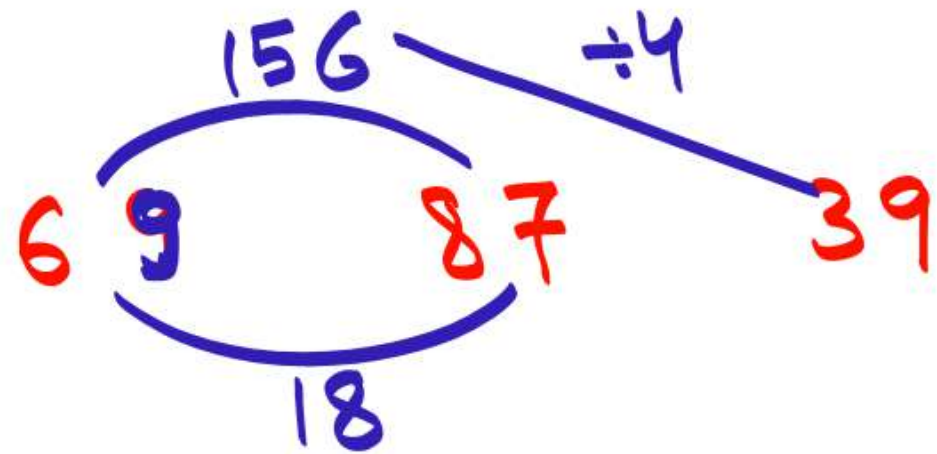
[C] 19

[B] 24

[D] 22

Q
b c

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



$$69, 87, = 39$$

$$93, 95 = 47$$

$$52, 64 = ?$$

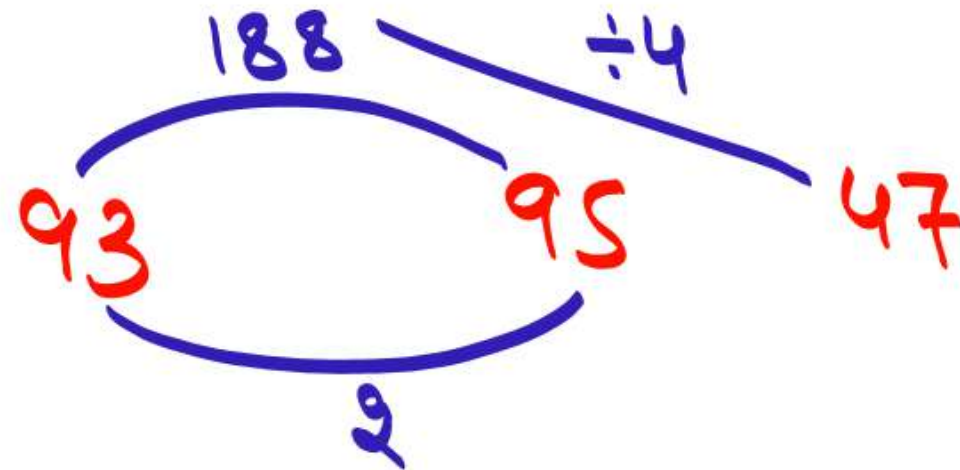
$$\frac{116}{4} \Rightarrow 29$$

☒ [A] 29

[B] 37

[C] 45

[D] 53



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

question

23

$$X (A+B) - (C-D)$$

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।

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

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

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

$$[A] 5$$

$$[C] 8$$

$$12 \times 4 = 48$$

$$48 \div 12 = 4$$

$$2 \times 36 = 72$$

$$72 \div 36 = 2$$

$$18 \times 3 = 54$$

$$54 \div 18 = 3$$

$$2 + 36 - (87 - 51) = 2$$

$$2 \times 36 \div 36 = 2$$

$$\rightarrow 48 \div 12 = 4 \checkmark$$

$$A \times B \div (C - D) = E$$

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

$$54 \div 9 = 6$$

$$18 + 3 - (58 - 49)$$

$$21 - (9) = 12 \checkmark$$

$$K_1 A \pm K_2 B = C$$

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

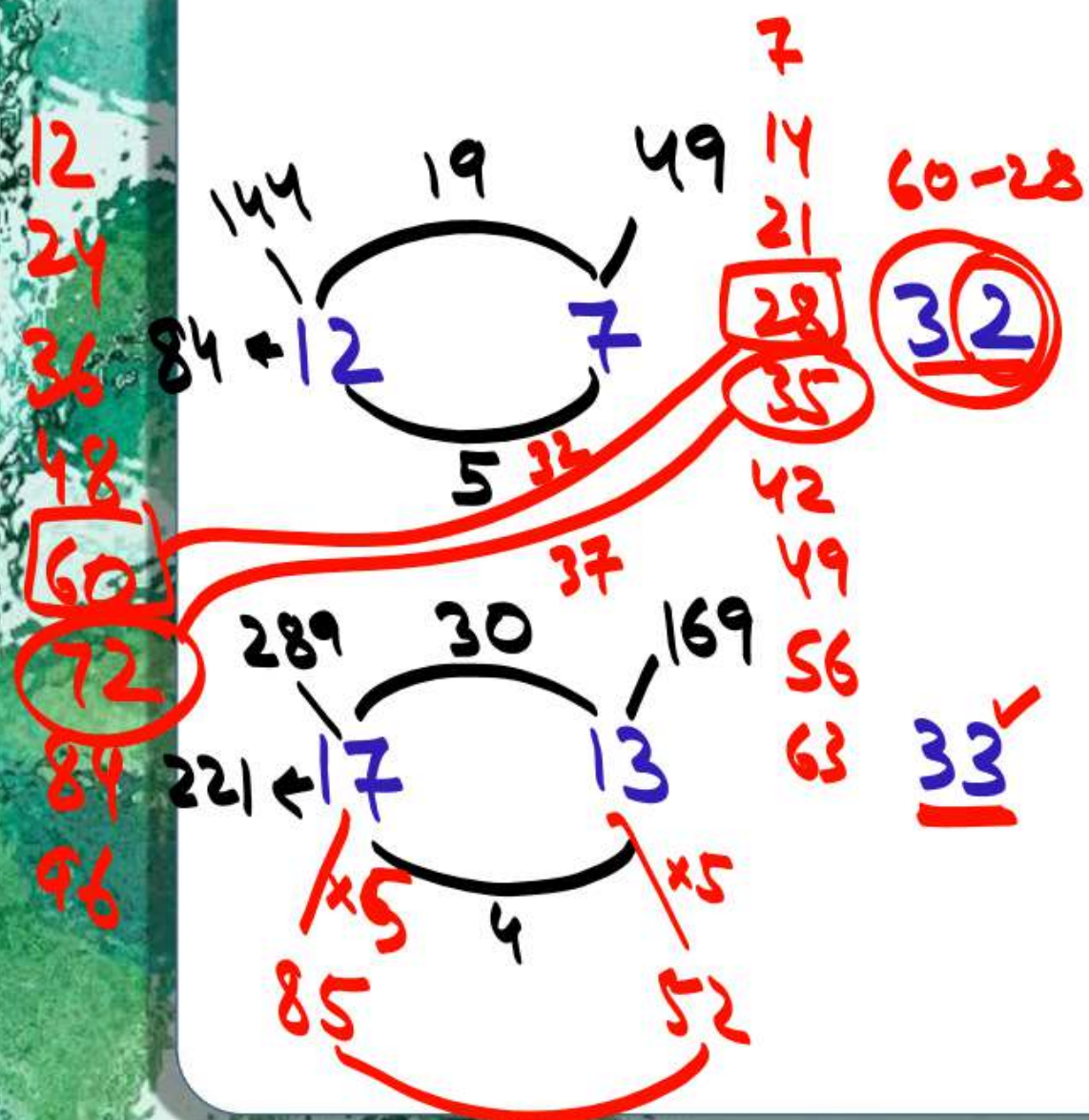
A

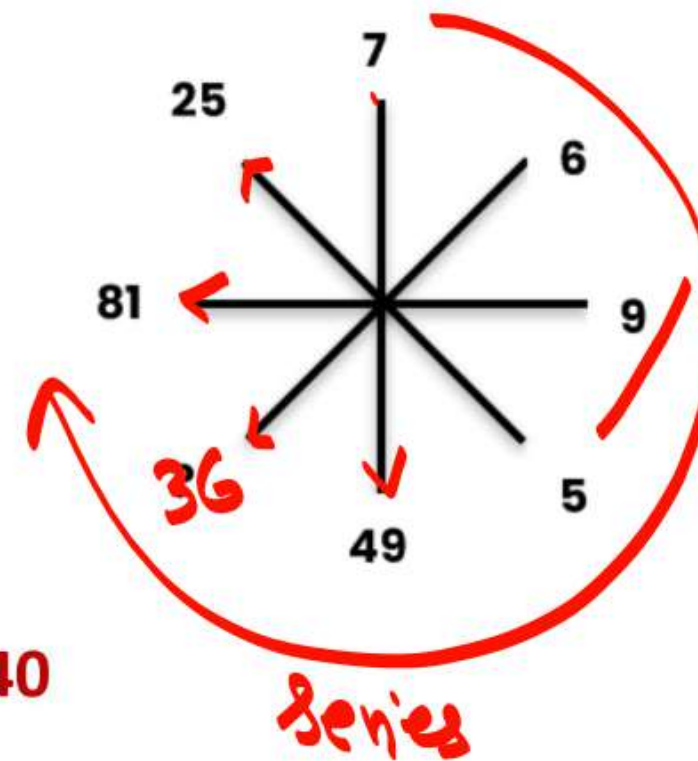
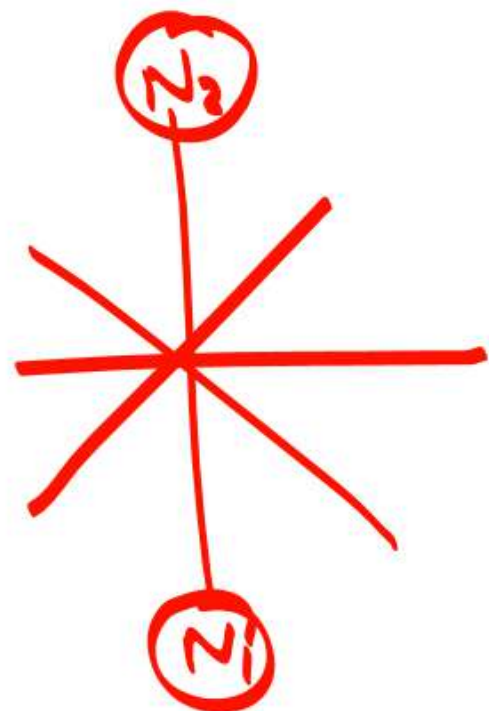
B



$$\underline{5A} - \underline{4B} = C$$

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





[A] 40

[B] 25

[C] 50

✓ [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 36 5:6:11

25 36 = 5:6;11

100 64 = 10;8;18

36 81 = ? ; ? ; ?
6 9 15

100 64 10:8:18

[A] 9;9;117

[C] 4; 11; 18

[B] 10; 6;4

[D] 6; 9; 15



3	5
2	38

4	5
1	42

6	7
2	89

3	4
7	?

સુત્ર = 30

અંશ = 10



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

38

[A] 31

[C] 74

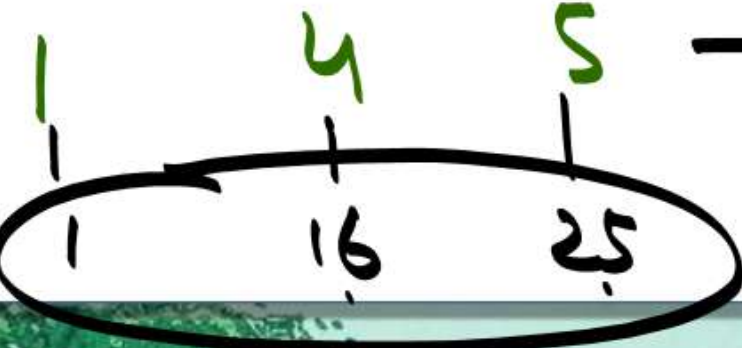
[B] 14

[D] 84

$$3^2 + 4^2 + 7^2 = 9 + 16 + 49 = 74$$

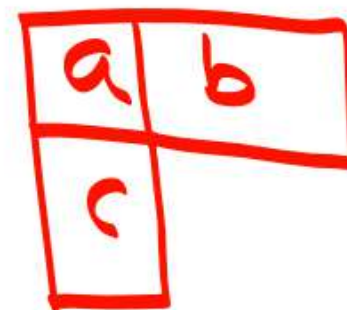
સુત્ર = 20

અંશ = 10



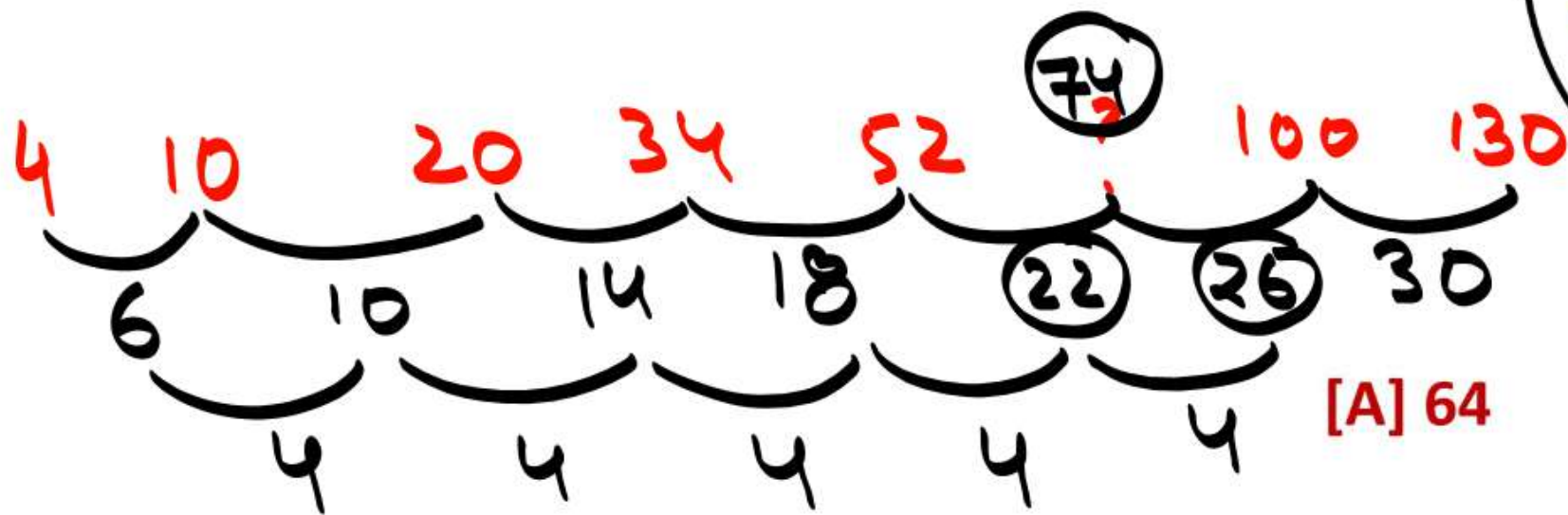
42

$$1 + 16 + 25$$



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



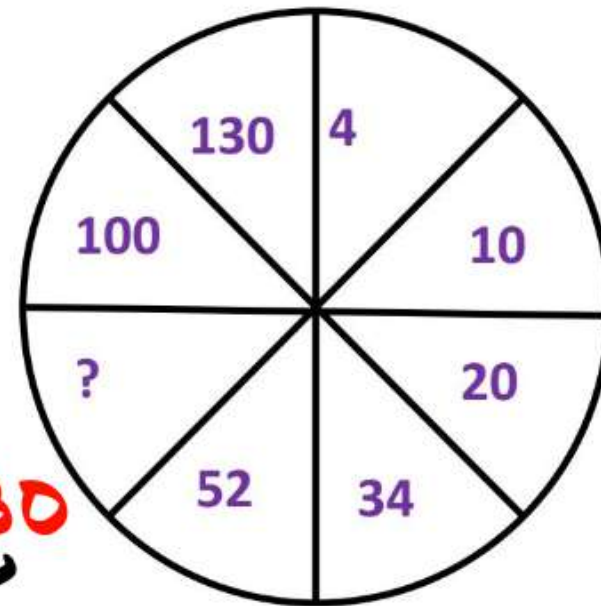


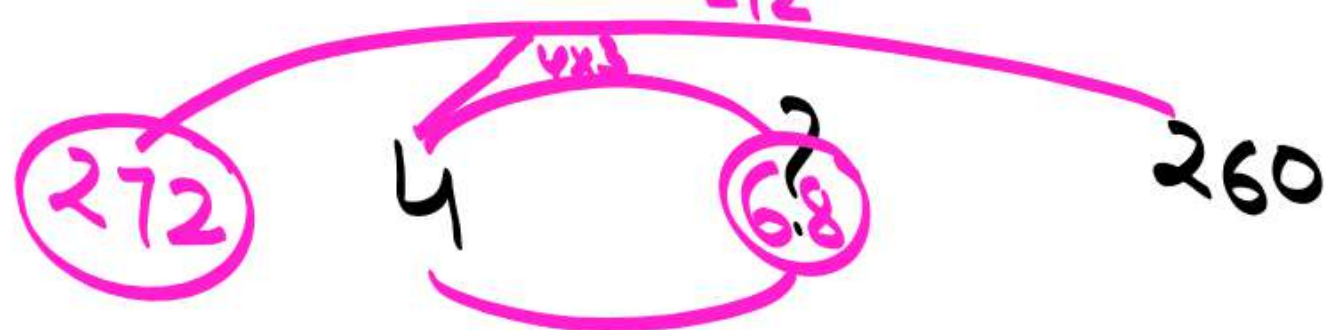
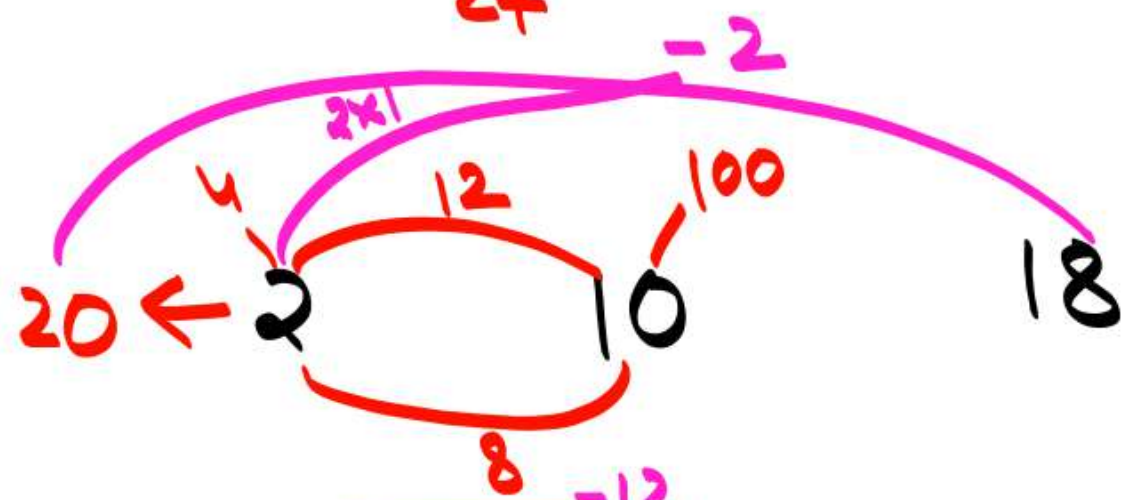
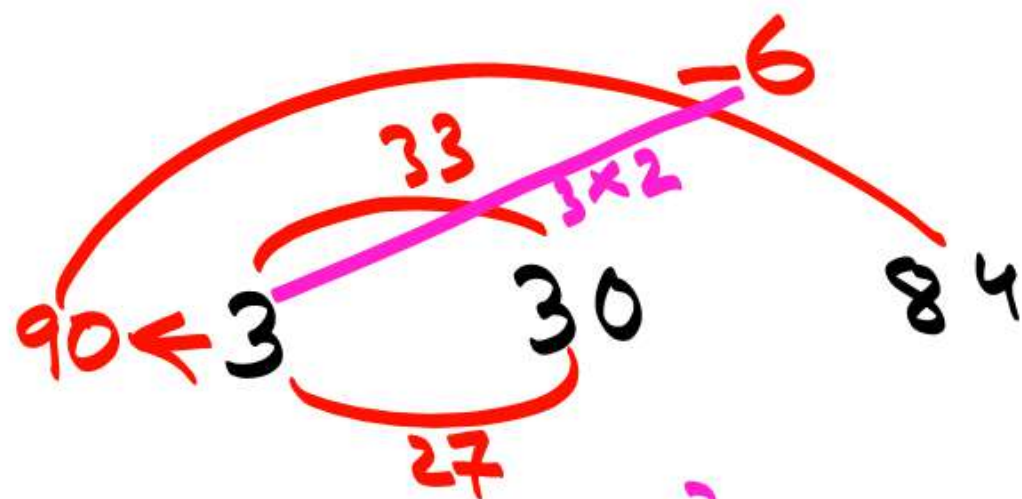
[A] 64

[C] 82

[B] 96

[D] 74





	3	30	84
	2	10	18
	4	?	260
	a	b	c

$$a \times b - a(a-1) = c$$

[A] 64

[B] 60

[C] 16

[D] 68

$$\begin{array}{r} 16 \\ 3 + 4 + 9 = 17 \end{array}$$

$$\begin{array}{r} 14 \\ 7 + 2 + 5 = 15 \end{array}$$

[A] 18

[C] 16

3	4	9	17
7	2	5	15
<u>6</u>	<u>8</u>	<u>3</u>	<u>17</u>
a	b	c	d

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

[B] 20

[D] 28