



Mahendra's



SSC CGL/CPO/CHSL

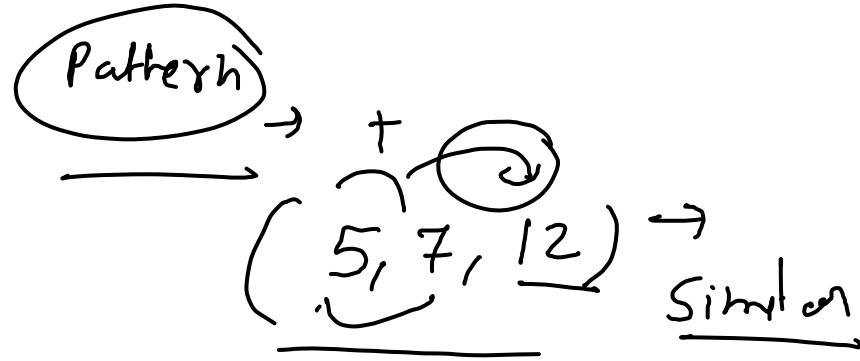
REASONING

ANALOGY PART-5

BASED ON NEW PATTERN

LIVE 07:30 PM



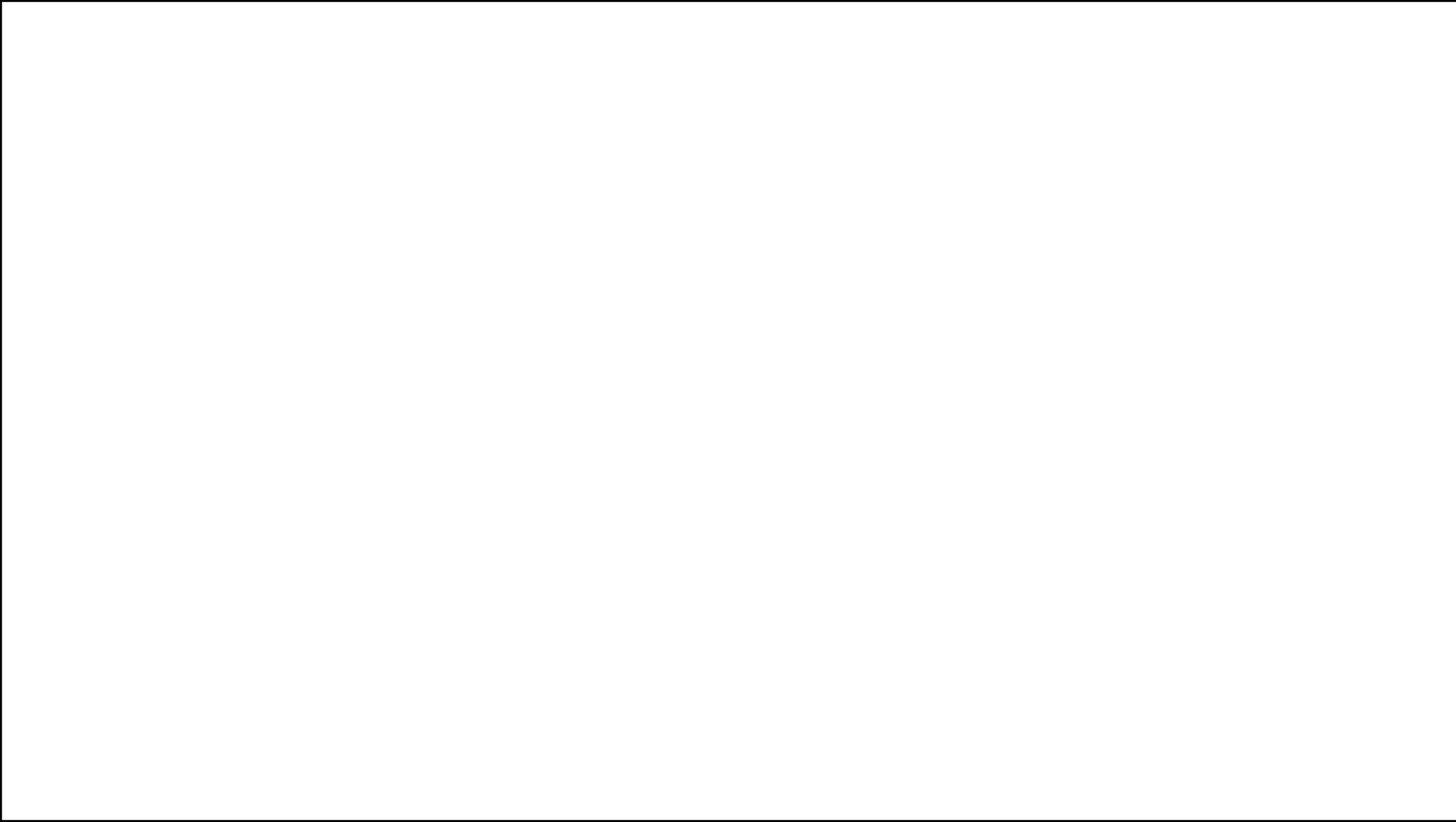


(8, 6, 23)

(9, 11, 25)

(15, 25, 30)

(8, 9, 17)



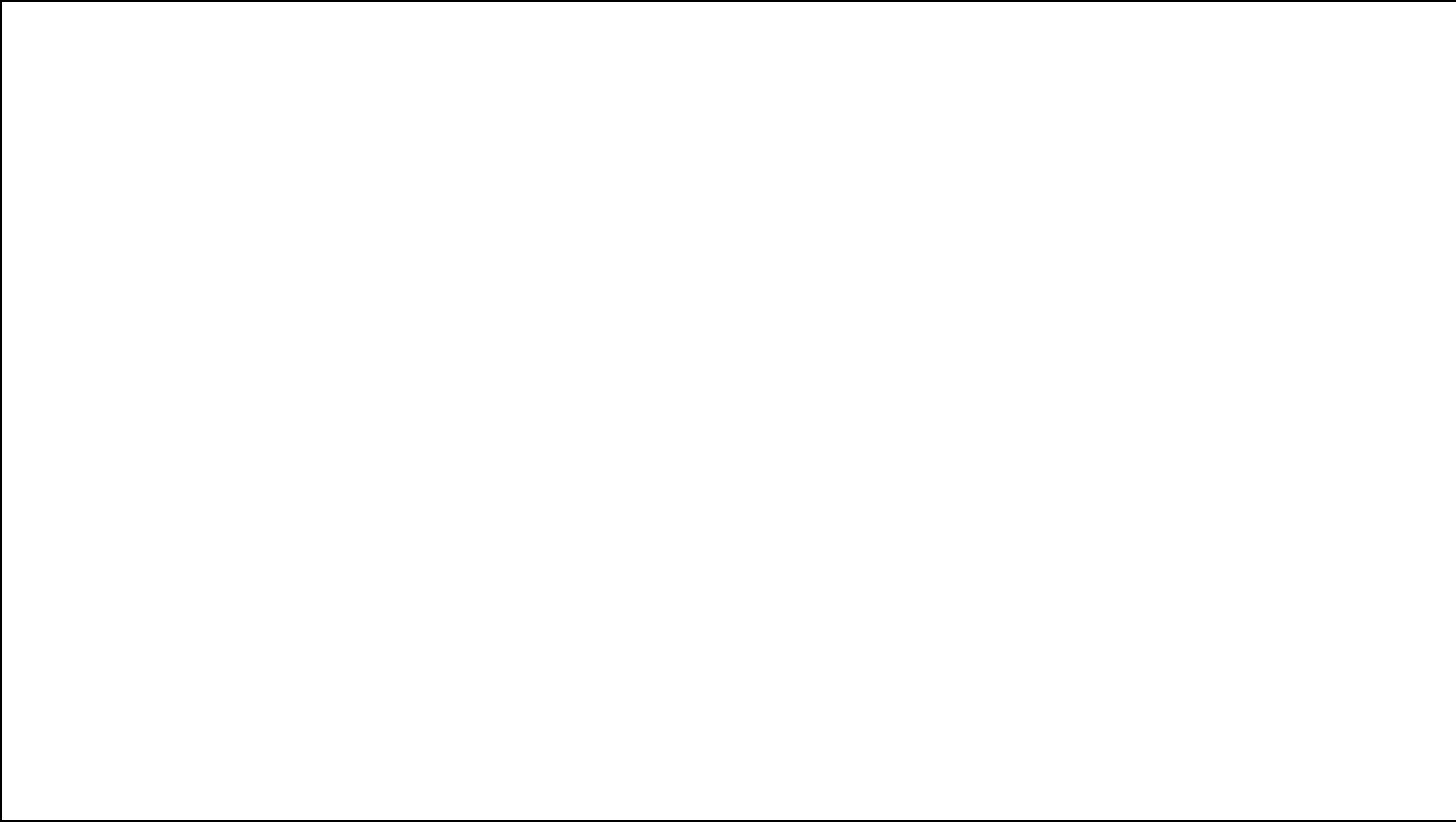
Q1).Select the set of numbers that is similar to the following set {9,54,6} संख्याओं के उस समुच्चय को चुनिए जो निम्नलिखित समुच्चय {9, 54, 6} के समान हो।

- (a) {3, 15, 6}
- (b) {8, 64, 9}
- (c) {7, 74, 12}
- (d) {5, 35, 7, 1}

$$9 \times 6 = 54$$

$$3 \times 6 = 18$$

$$35 \cdot$$



Q2). Select the set of numbers that is similar to the following set {5,10,17} संख्याओं के उस समुच्चय को चुनिए जो निम्नलिखित समुच्चय {5,10,17} के समान हो।

(5) (7) (8)

$$5^2 + 1 \quad 7^2 + 1 \quad 8^2 + 1$$

- (a) {26, 50, 65} ✓
- (b) {17, 35, 72} ✗
- (c) {37, 50, 65} ✓
- (d) {24, 35, 48} ✗

5, 10, 17

5, 10, 17

$$\cancel{5 \times 2 = 10 \times 2 - 3}$$

$$\begin{array}{ccc} 2^2 & 3^2 & 9^2 \\ +1 & +1 & +1 \end{array}$$

9 E C

2, 3, 4

$$6^2 + 1 \quad 7^2 + 1 \quad 8^2 + 1$$

Q3). Select the set of numbers that is similar to the following set {8,19,30} संख्याओं के उस समुच्चय को चुनिए जो निम्नलिखित समुच्चय {8,19,30} के समान हो।

$$8 + 19 = 27 + 3$$

- (a) {11, 24, 38} ✓
- (b) {9, 20, 35}
- (c) {12, 25, 38} ✓
- (d) {6, 21, 32}

$$\{8, \textcircled{19}, 30\}$$

$$8 + 30 = \frac{38}{2} = \textcircled{19}$$

$$11 + 24 = \frac{35}{3} + 3 = \textcircled{38}$$

Analogy
f

⑥ $\frac{12+38}{2} = \frac{50}{2} = \textcircled{25}$

∴ - P

① Positive No

② ~~Sq~~
Cube

③ Multipli / Division

④ addi / sub.

⑤ Converting single digit

⑥ I Illogical.

Q4). Select the set of numbers that is similar to the following set {8, 27, 64}

संख्याओं के उस समुच्चय को चुनिए जो निम्नलिखित समुच्चय {8, 27, 64} के समान हो।

$$0^3 \quad 3^3 \quad 4^3$$

$$0^3 \quad 3^3 \quad 4^3$$

(a) {0, 27, 64}



(b) {64, 125, 196}



(c) {125, 216, 64}



(d) {-1, 0, 1, }



$$\{ \quad 8, 27, 64 \}$$



$$\begin{array}{r} 2^3 \\ 1 \end{array} \quad \begin{array}{r} 3^3 \\ 3 \end{array} \quad \begin{array}{r} 4^2 \\ 4 \end{array} \quad (2, 3, 4)$$

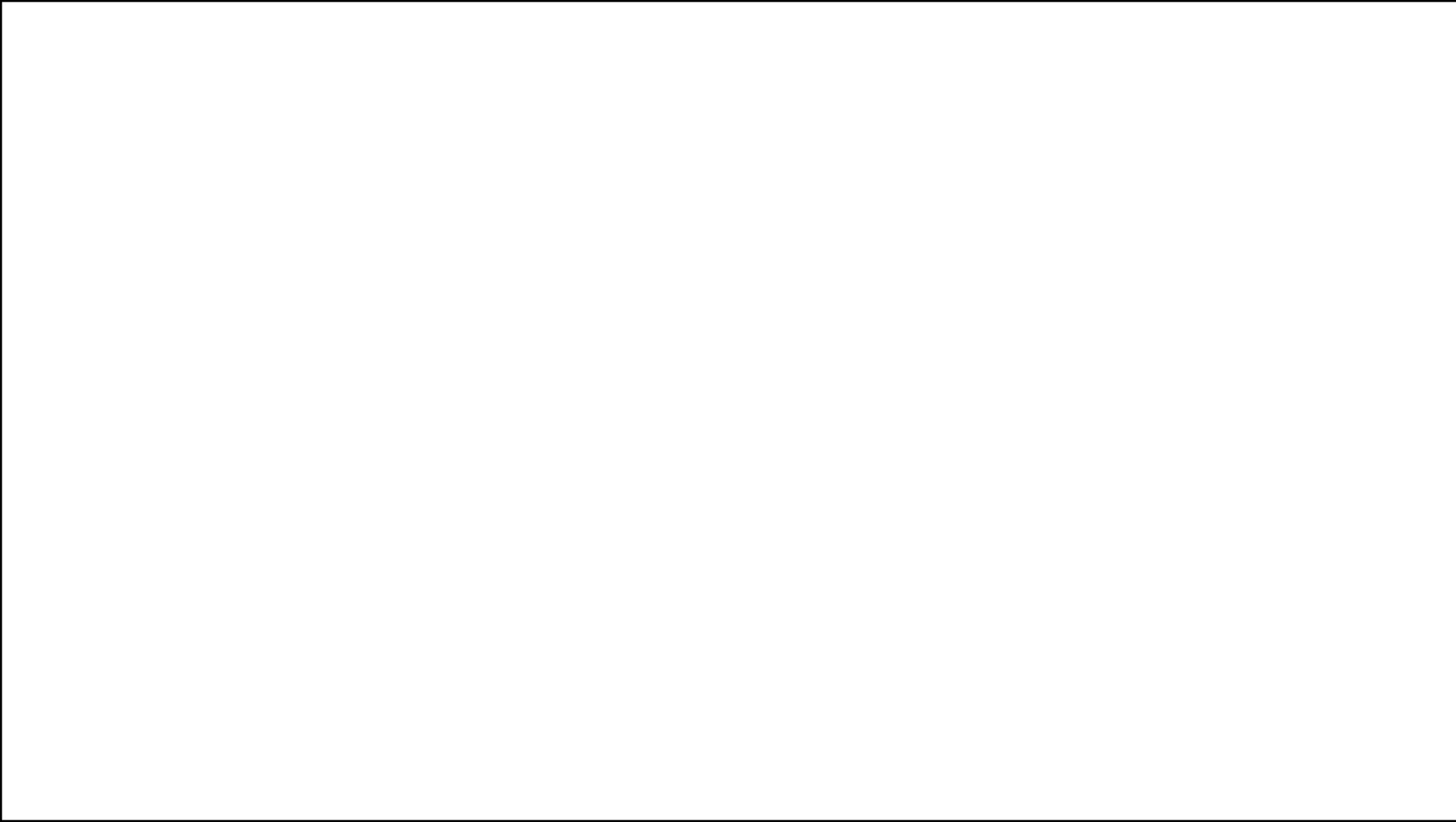
$$\begin{array}{r} 125 \\ 5^3 \end{array} \quad \begin{array}{r} 216 \\ 6^3 \end{array} \quad \begin{array}{r} 64 \\ 4^3 \end{array}$$

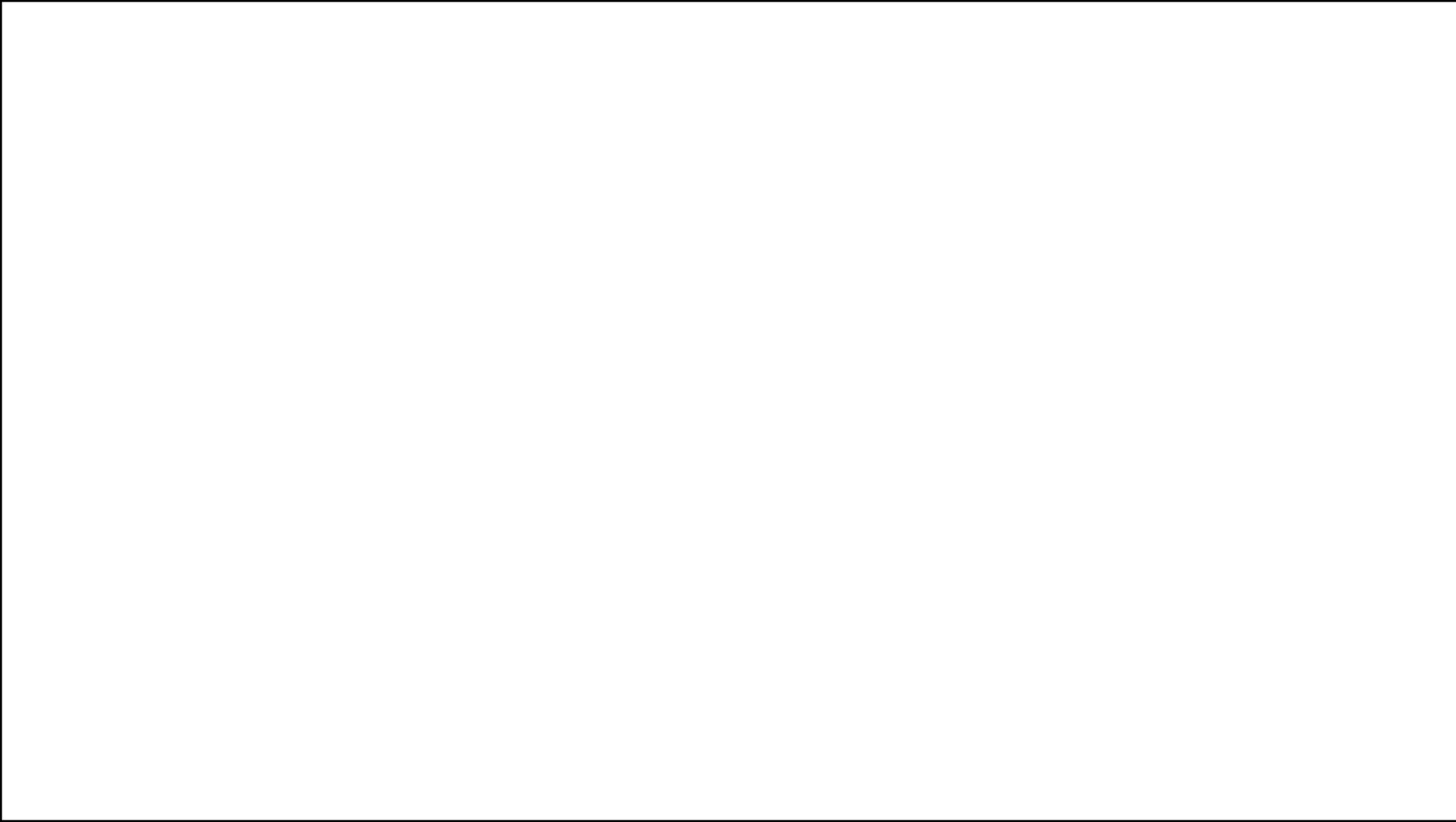
$$(-1)^3 = -1$$

$$(0^3) = 0$$

$$(1)^3 = 1$$

$$\overbrace{-1, 0, 1}$$





Q5) Select the set of numbers that is similar to the following set {7, 19, 13} संख्याओं के उस समुच्चय को चुनिए जो निम्नलिखित समुच्चय {7, 19, 13} के समान हो।

- (a) {3, 51, 6}
- (b) {8, 74, 9}
- (c) {7, 48, 12} ✓
- (d) {5, 35, 7}

$$\begin{array}{ccc}
 (7) & 19 & (13) = (91) \\
 [7 \times 13] - 91 & = & (19) \\
 7 \times 12 = (84) & - & (48)
 \end{array}$$

Q6. {7,16,34}

① ① ①

(a) (10,19,28)

(b) (23,31,48)

(c) (29,57,96)

(d) (49,58,76)

$$\begin{array}{r}
 g+4 \\
 13 \quad 13
 \end{array}
 \begin{array}{r}
 S-18 \\
 13
 \end{array}
 \begin{array}{r}
 7-16 \\
 13
 \end{array}$$

7 16 34

$$7 \times 2 = 14 + 2$$

$$16 \times 2 = 32 + 2$$

7 16 34

$$\begin{array}{r}
 7 \\
 1+6 \\
 \hline
 7
 \end{array}
 \begin{array}{r}
 3+4 \\
 \hline
 7
 \end{array}$$

101

live

$$\begin{array}{r}
 10 \quad 19 \quad 28 \\
 1+0 \quad 1+9 \quad 2+8
 \end{array}$$

a 8¢

$$\begin{array}{r}
 1 \\
 1+0 \\
 \hline
 1
 \end{array}
 \begin{array}{r}
 1 \\
 1+0 \\
 \hline
 1
 \end{array}$$

48¢

6¢

Q7. {18,56,30}

- (a) (17,05,10) ✓
(b) (23,41,7) ✓
(c) (29,58,40) ✓
(d) (34,58,40)

65

$$\begin{array}{r} 18 \\ \hline 1^2 + 8^2 = \\ 1 + 64 = 65 \\ \hline 56 \end{array}$$

$5 \times 6 \rightarrow 30$

$$\begin{array}{r} 29 \\ \hline 2^2 + 9^2 = 81 \\ \hline 85 = 58 \end{array}$$

$5 \times 8 \rightarrow 40$

Q8. {87,56,30}

- (a)(29,18,9)
- (b)(59,45,20) ✓
- (c)(63,18,8)
- (d)(73,21,19)

$$\{ 87, 56, 30 \}$$
$$8 \times 7 = 56 \quad 5 \times 6 = 30$$

Q9. (23, 136, 45)

$$\frac{136}{2} = 68$$

- (a) (19, 96, 29) ✓
(b) (31, 126, 37)
(c) (17, 50, 33) ✗
(d) (29, 78, 11)

$$\begin{array}{r} 23 + 45 \\ \hline 136 \\ 45 \end{array}$$

$\frac{19 + 29}{48 \times 2 = 96}$

$$23 + 45 = 68 \times 2 = 136$$

$$17 + 33 = 50 \times 2 = 100$$

Q10. (7,46,340)

- (a) (4, 28, 68) ↗
- (b) (8, 68, 500) ↗
- (c) (5, 22, 130) ↗
- (d) (15, 222, 3372)

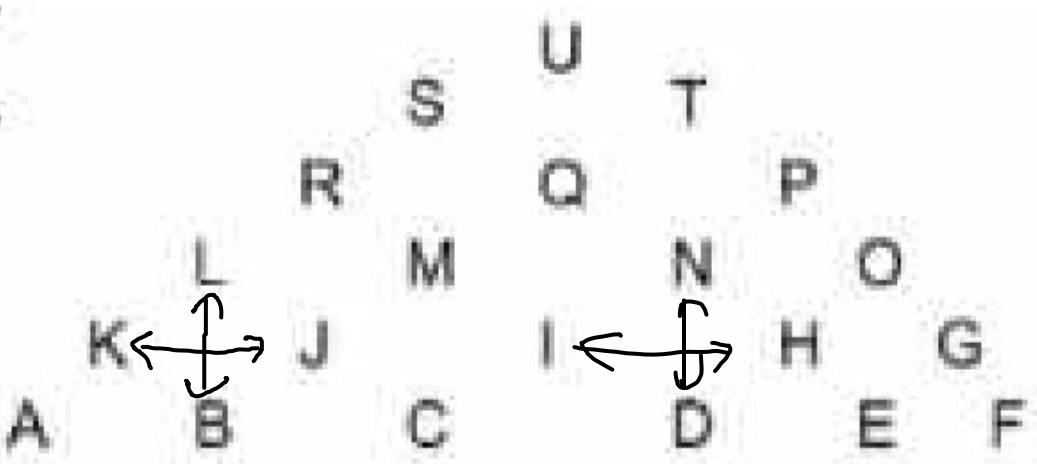
$$\begin{array}{r} 7 \\ \overline{)46\quad 340} \\ 7 \quad \overline{)49-3} \quad \overline{)343-3} \\ 7 \quad 49-3 \quad 343-3 \end{array}$$

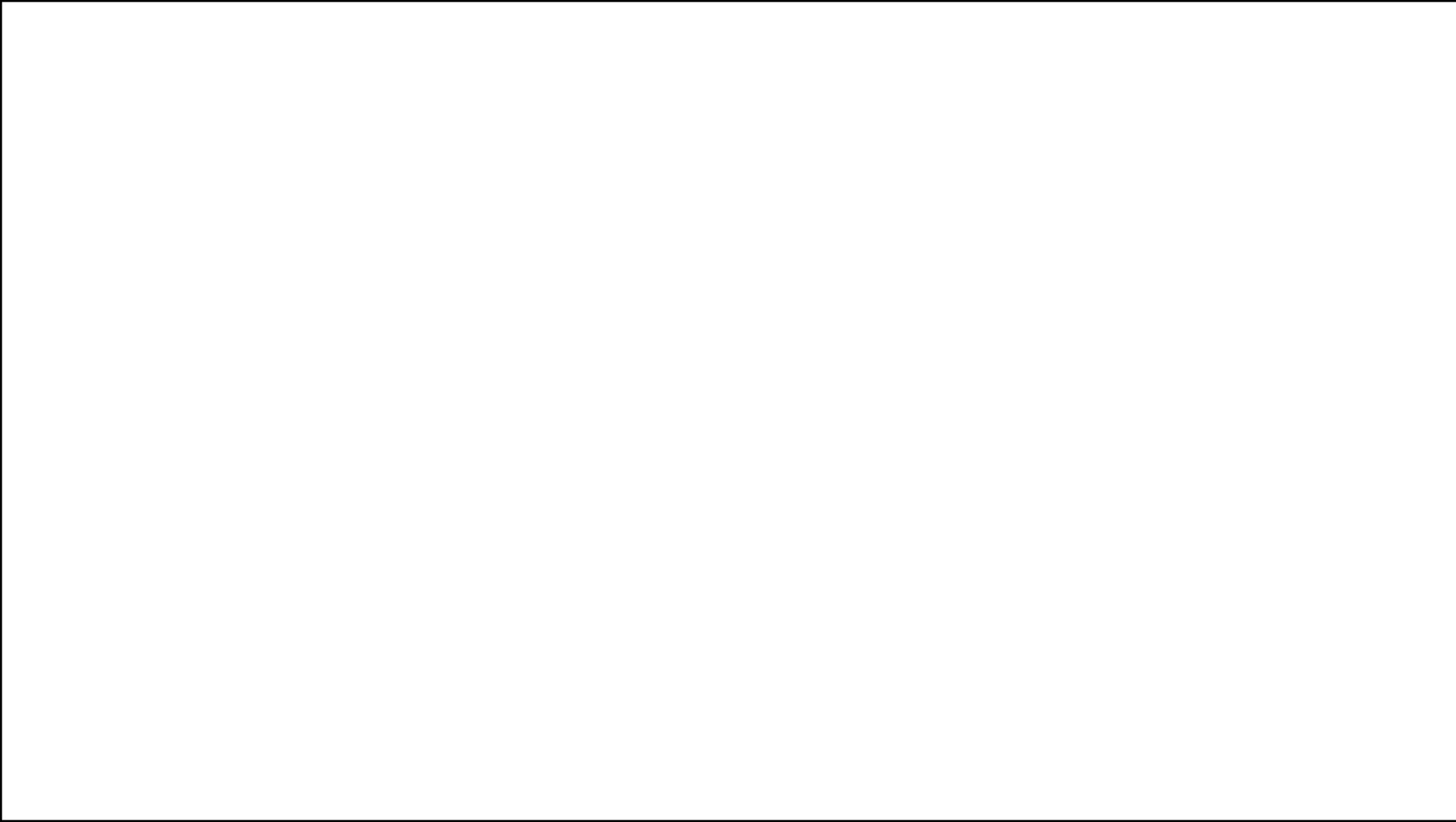
A bracket is drawn under the first two digits of the dividend (46), and another bracket is drawn under the entire dividend (46 340).

$$\begin{array}{r} 7 \\ \overline{)46\quad 340} \\ 7 \quad \overline{)49-3} \quad \overline{)343-3} \\ 7 \quad 49-3 \quad 343-3 \\ \hline 15 \quad 15^2-3 \quad \overline{)15^3-3} \end{array}$$

Q11). Observe the following pattern and answer the given question. LB:KJ::ND:? निम्नलिखित पैटर्न को ध्यान से देखें और दिए गए प्रश्न का उत्तर दें। LB:KJ::ND:?

- (a)DE
- (b)QP
- (c)IH
- (d)HI





Q11. (12, 27, 9)

- (a) (14, 21, 6)
- (b) (15, 52, 13)
- (c) (11, 21, 7)
- (d) (5, 18, 8)

$$\begin{array}{r} 12 \quad 27 \quad 9 \\ \times 8 \\ \hline 24 \\ 3 \\ \hline = 9 \end{array}$$

2
14 x 6
—
21
3
—

4

Priority $\div x$

add \times

Q12. (15, 49, 151)

- (a) (6, 18, 37)
- (b) (17, 55, 155)
- (c) (25, 79, 137)
- (d) (5, 19, 61)

15, 49, 151

$$15 \times 3 + 4 = 49$$

$$\underline{49 \times 3 + 4} = \underline{\underline{151}}$$

$$5 \times 3 + 4 = 19$$

$$\boxed{19 \times \underline{3} + 4 = \underline{61}}$$

Q13. (84 , 60 , 51)

- (a) (64, 80, 72)
- (b) (80, 98, 69)
- (c) (72, 56, 62)
- (d) (52, 64, 47)

4
—
Like

$$\begin{array}{r} 49 \\ + 20 \\ \hline 69 \end{array}$$

$$\begin{array}{ccc} (84, & 60, & 51) \\ \hline 49 & 26 & 9+6 \\ 4 \times 21 & 2 \times 30 & 21+30=51 \end{array}$$

Q14. (4, 6, 52)

- (a) (3, 5, 34)
- (b) (5, 7, 72)
- (c) (6, 7, 95)
- (d) (7, 9, 120)

$$\begin{array}{ccc} a^2 + b^2 & & \\ 4^2, 6^2, 52 & & \\ a^2 & b^2 & a^2 + b^2 \\ 4^2 & 6^2 & 4^2 + 6^2 \\ 16 & 36 & \overline{16+36} \\ & & 52 \end{array}$$

Q15. (94, 44, 82)

- (a) (64, 58, 42)
- (b) (98, 68, 86)
- (c) (78, 40, 88)
- (d) (48, 31, 76)

$$\begin{array}{r} 94 \quad 44, 82 \\ \hline 29 \quad \frac{9+6}{2} \quad 26 \\ \hline 94 = 47 \end{array}$$

$\frac{82}{2} = 41$

$$\begin{array}{r} (47 + 41) \\ \hline 2 \end{array} - \frac{88}{2} = 44$$

$$\begin{array}{r} 29 \quad \frac{9+6}{2} \quad 26 \\ \hline \end{array}$$

Q16. (25,90,81)

- (a) (4, 20, 64)**
- (b) (0, 0, 256)**
- (c) (121, 242, 10)**
- (d) (16, 222, 225)**

H.W.