



Mahendra's



SSC CGL/CPO/CHSL

REASONING

CLASSIFICATION

PART-1



LIVE

07:30 PM



SOME IMPORTANT POINT

Classifying a number, word, letter or group of them on the basis of their particular type of property is called classification.

एक संख्या, शब्द का वर्गीकरण, के आधार पर पत्र या समूह उनकी विशेष प्रकार की गुण कहलाती है वर्गीकरण।

TYPES OF CLASSIFICATION

26 62

(a) 26-62 (b) 72-27
(c) 89-98 (d) 19-94

(i) type

BASED ON NUMBER

BASED ON ALPHABET

ii

(a) A (b) E
(c) M (d) U

Based on word.

BASED ON WORD

(30)

(a) April (b) November
(c) July (d) September

(30)

(30)



CLASSIFICATION BASED ON NUMBER

SOME IMPORTANT POINT

PRIORITY WISE LOGIC

→ Dobble pair

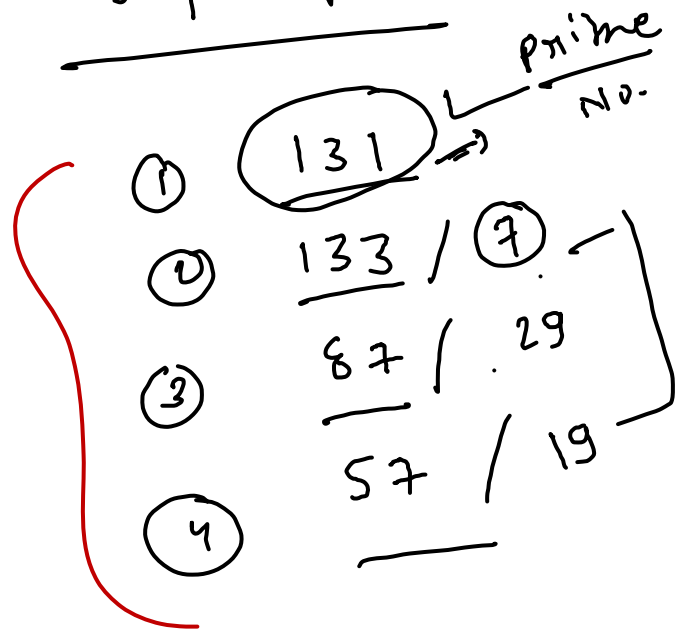
$x4+4$
① 15: 63
22: 91
23: 95
31: 97 ✓

① first No → 2nd No.
 $15 \times 4 + 3 = 63$
 $22 \times 4 + 3 = 91$
 $23 \times 4 + 3 = 95$
 $31 \times 4 + 3 = \cancel{97}$

- ① first term to 2nd term
- ②. diffnence
- ③ common factor.

~~S.S.~~

Single pair



Logic

① perfect / cube
sq

- ②. prime No. (factor)
- ③. multiplication
- ④. Division.
- ⑤. addition.
- ⑥. sub.
- ⑦. even / odd
- ⑧. digit sum.

4261

3 digit to 4 digit

more than 4 digit

digit sum

90%

$$\begin{array}{r}
 \underline{4261} \\
 4+2+6+1 \\
 \hline
 13
 \end{array}$$

$$\begin{array}{r}
 3251 \\
 \underline{3+2+5+1} \\
 11
 \end{array}$$

$$\begin{array}{r}
 3253 \\
 \underline{3+2+5+3} \\
 13
 \end{array}$$

$$\begin{array}{r}
 7123 \\
 \underline{7+1+2+3} \\
 13
 \end{array}$$

Q1.FIND THE ODD ONE OUT

(a) 76 : 82 (b) 64 : 58 (c) 29 : 23 (d) 67 : 79

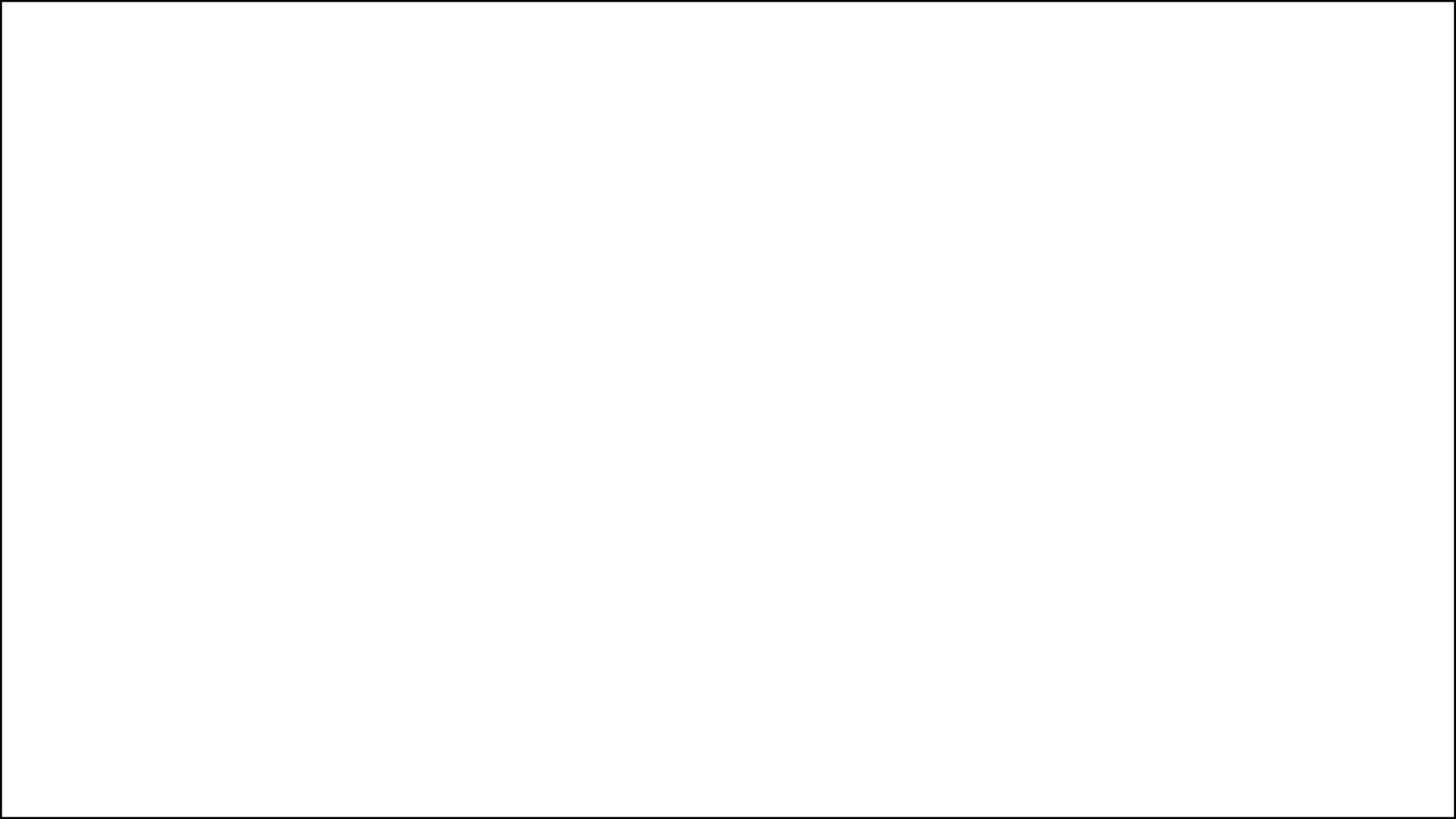
6

6

6

12






Q2.FIND THE ODD ONE OUT


(a)45 :34 (b)32 : 21 (c)89 : 78 (d)67: 78



+ 11



+ 11



+ 11

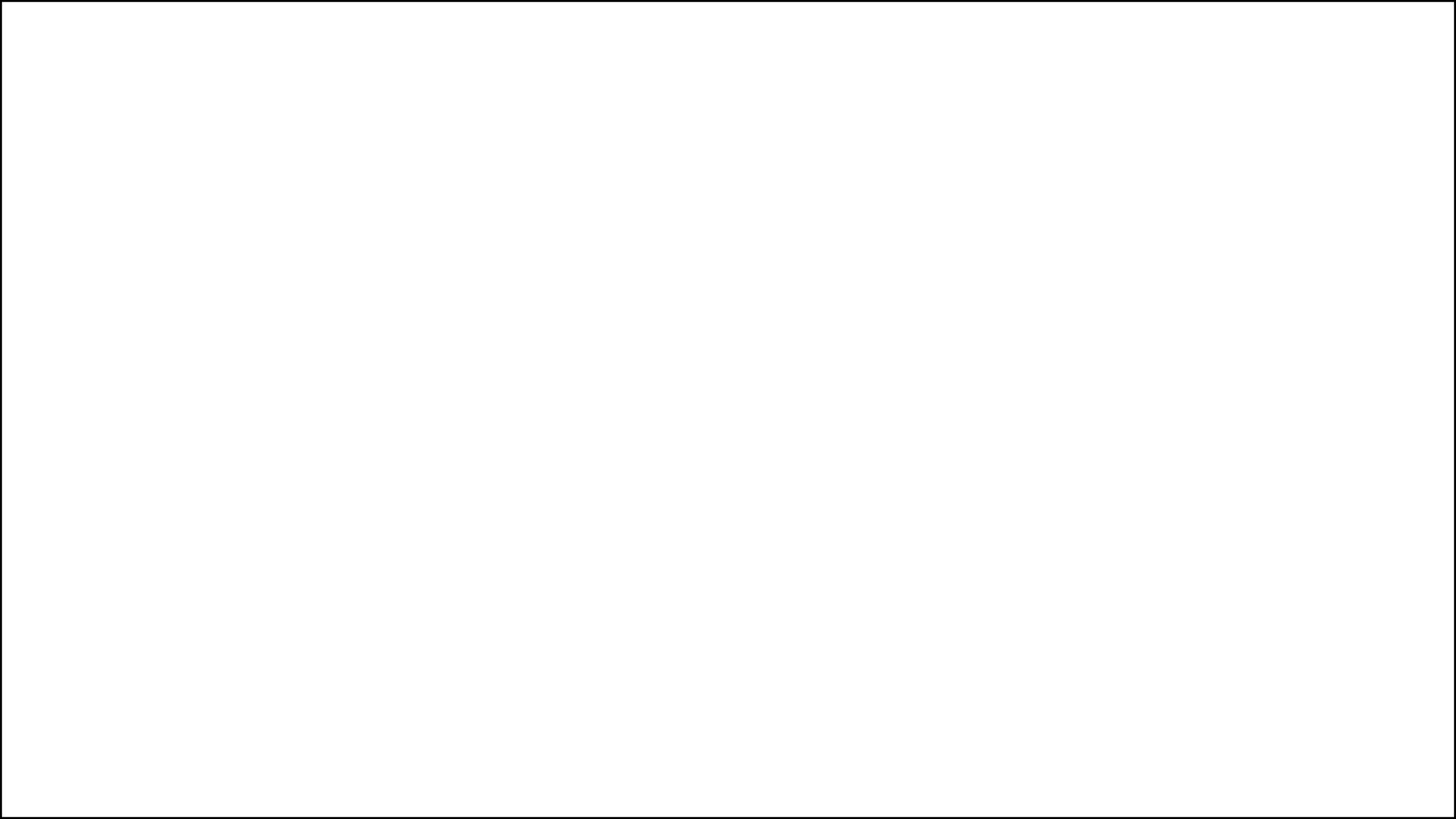


- 11

Q3.FIND THE ODD ONE OUT

(a) 14 : 33 (b) 8 : 25 ~~(c) 5 : 15~~ (d) 9 : 23

$$\underline{5 \times 3 = 15}$$



Q4. FIND THE ODD ONE OUT

(a) 4 : 16 (b) 8 : 24 (c) 14 : 26 (d) 16 : 36

12

16

12

20

$$4^2 = 16$$

①

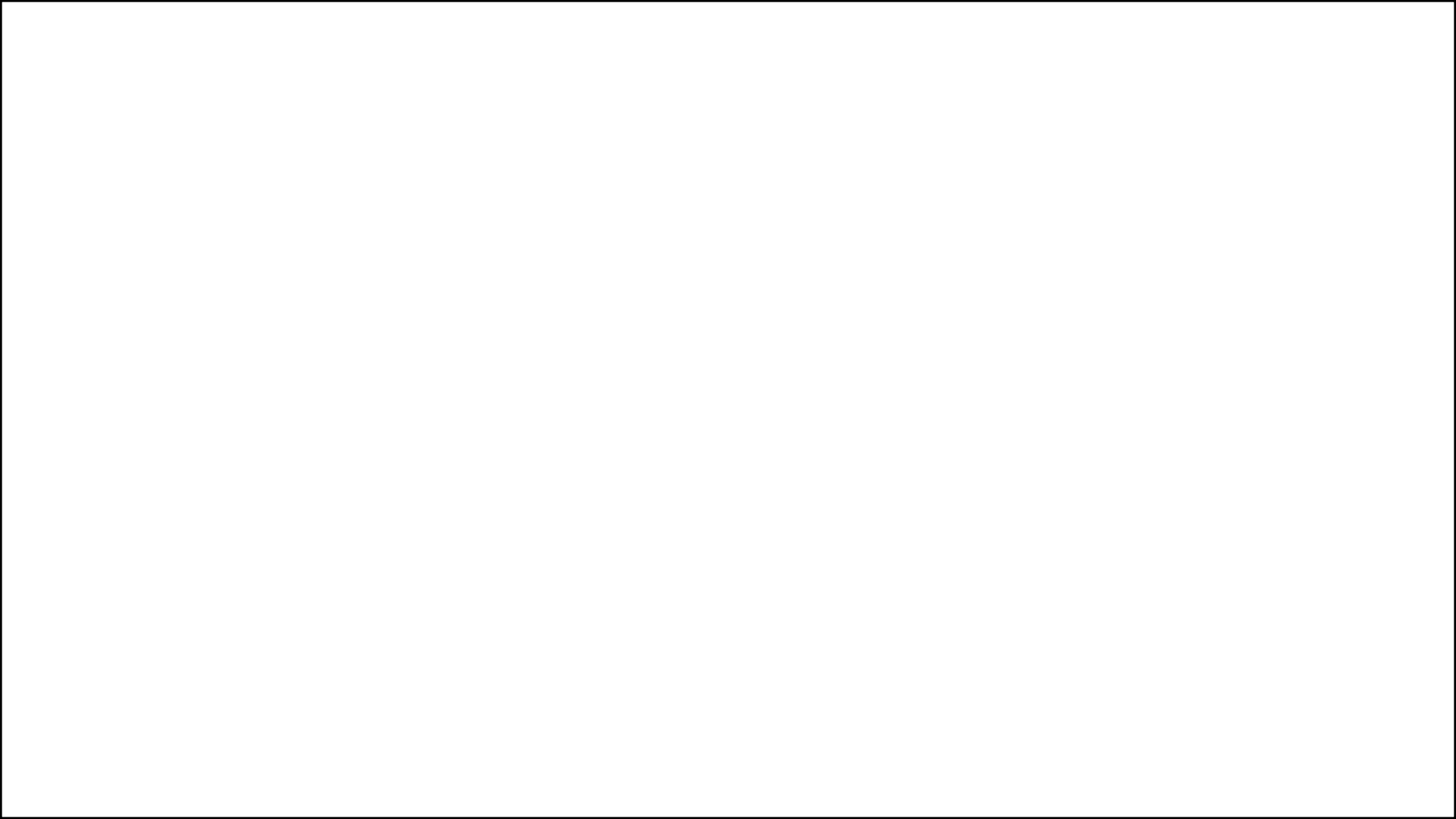
1st 2nd

②

diff

③

Common factor



Q5. FIND THE ODD ONE OUT

(a) 576 : 37 (b) 832 : 19

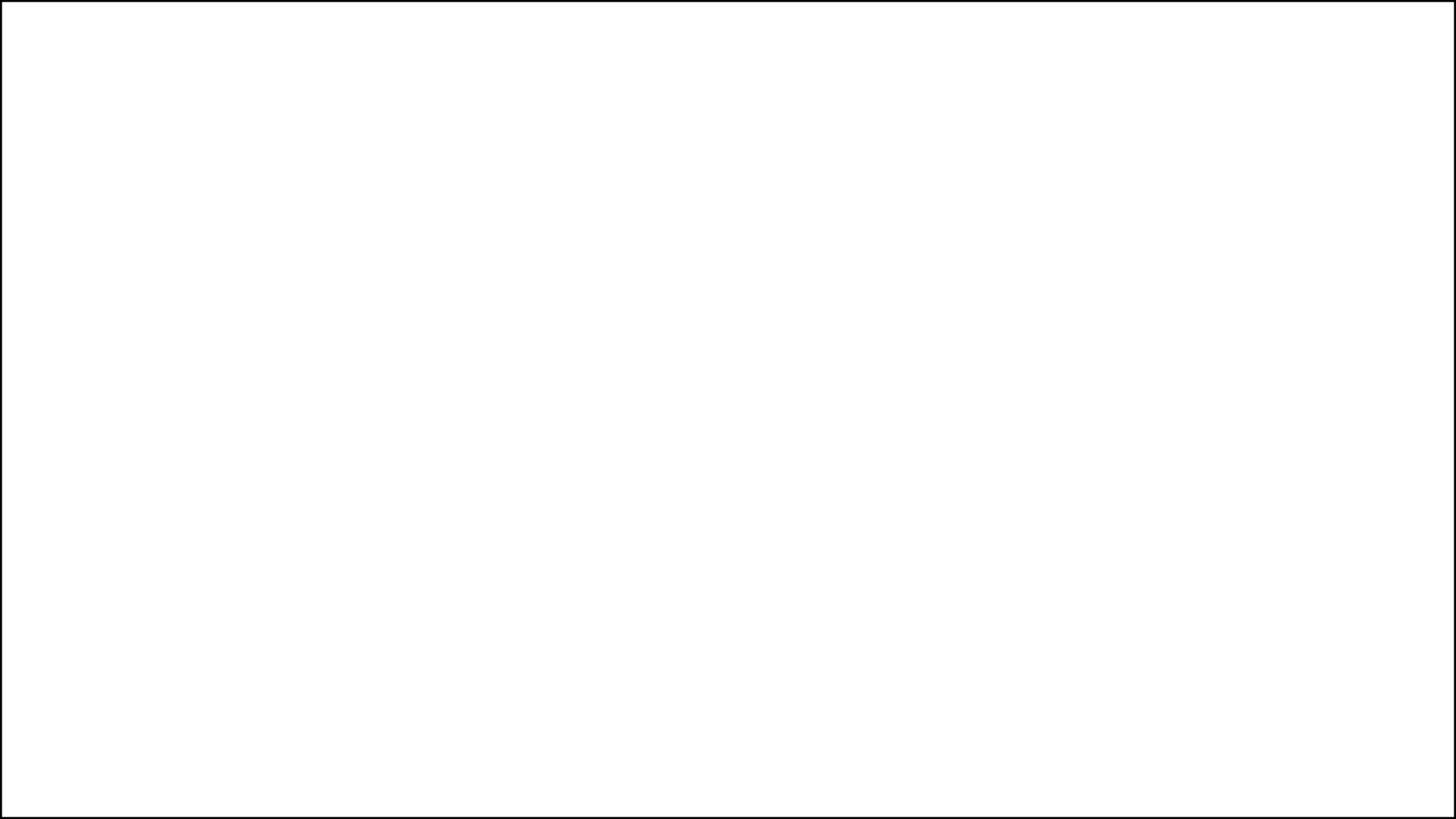
(c) 876 : 39 (d) 963 : 23

✓ ① $\overbrace{576}^{\times} : 37 \Rightarrow \underline{30+7=37}$
✓ ② $\overbrace{832}^{\times} : 19 \Rightarrow \underline{16+3=19}$
✓ ③ $\overbrace{876}^{\times} : 39 \Rightarrow \underline{48+7=55}$
~~④ $\overbrace{963}^{\times} : 23 \Rightarrow \underline{27-6=23}$~~

③
55

$\frac{27-6}{21}$

≡ 人



Q6. FIND THE ODD ONE OUT

~~(a) 1467~~

(b) 8246

(c) 2369

(d) 9238

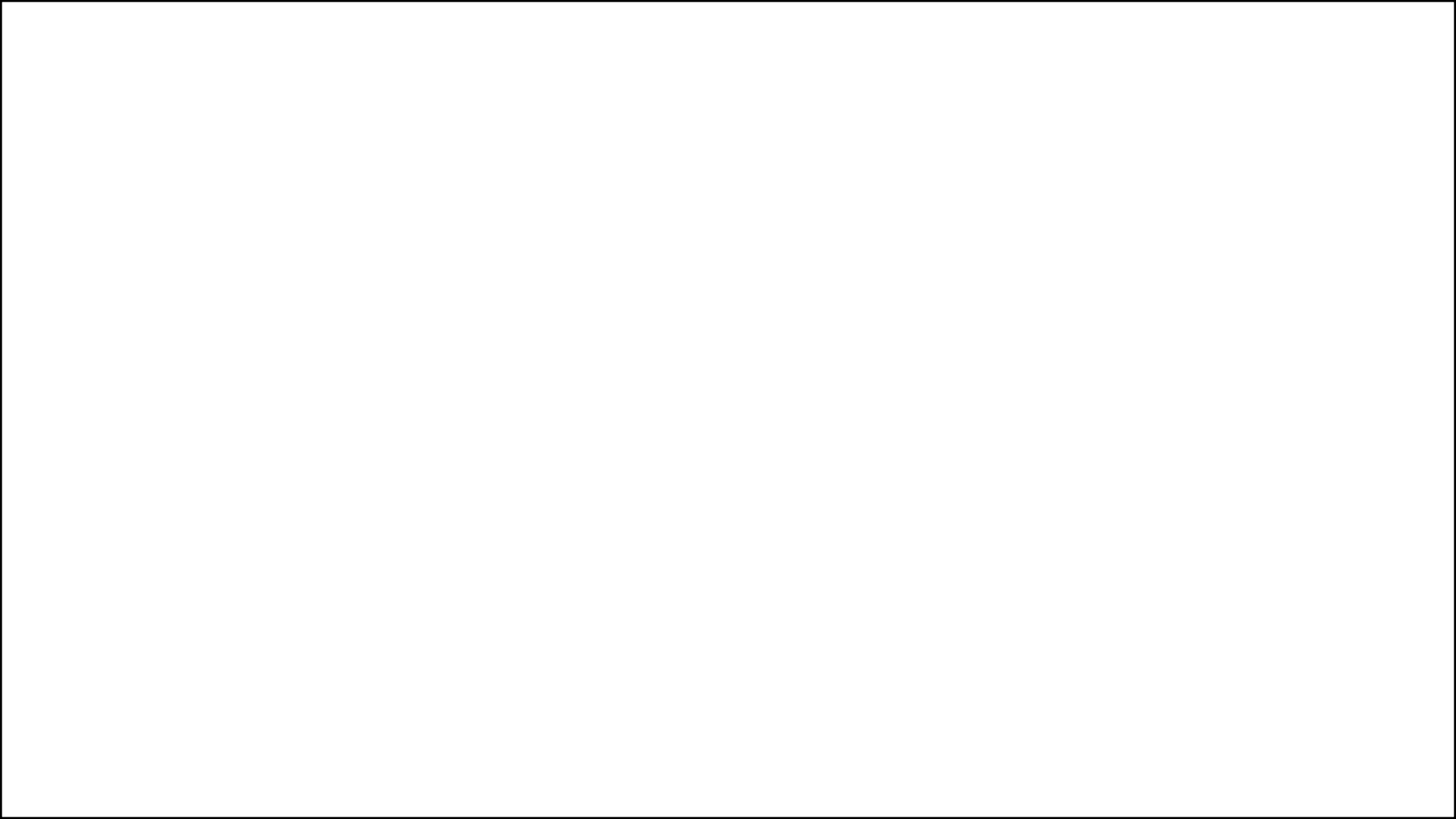
$$18 \Rightarrow \textcircled{9} \quad \boxed{\text{odd}}$$

$$20 = 2 \times \text{even} \quad \boxed{1467}$$

$$20 = 2 \rightarrow \text{even}$$

$$22 = 2 \times 11 \rightarrow \text{even}$$

$$\textcircled{3} \text{ by } 4$$
$$= \underline{1+4+6+7} = 20 \quad \underline{\text{digit}}$$



Q7. FIND THE ODD ONE OUT

(a) 8917

(b) 6713

(c) 6915

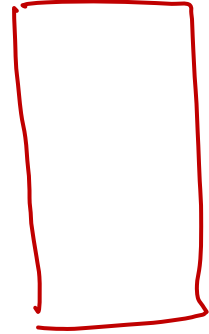
(d) 7812

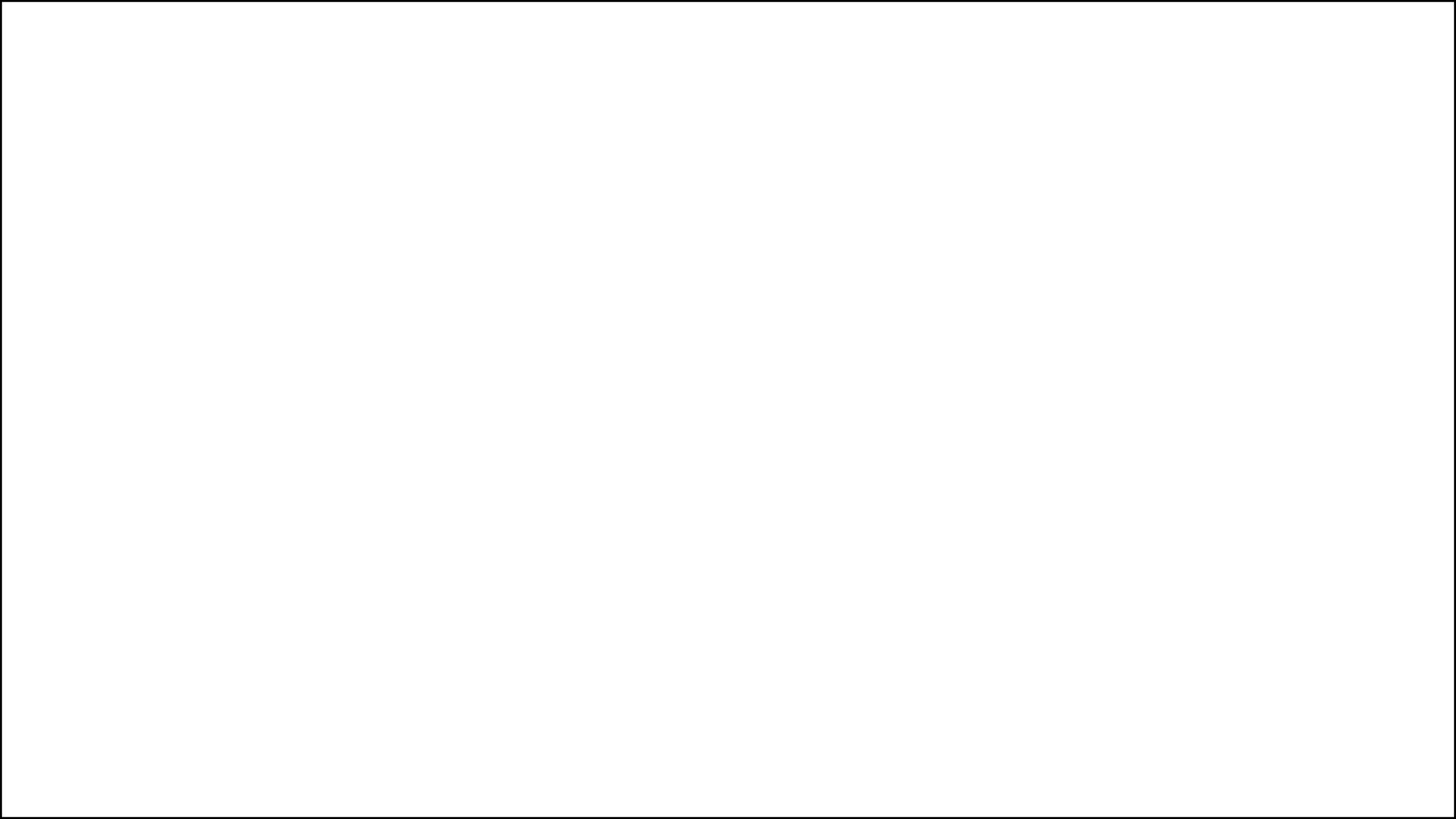
$$8+9 = 17$$

$$6+7 = 13$$

$$6+9 = 15$$

$$7+8 =$$





Q8. FIND THE ODD ONE OUT

(a) 8927

(b) 6724

(c) 6958 ✓

(d) 7865

$$\boxed{8927} = 8 \times 9 = 72 = 27$$

$$6724 = 6 \times 7 = 42 = 24$$

$$6958 = 6 \times 9 = 54 = \textcircled{45}$$

$$7865 = \underline{56} = \underline{65}$$

4 digit

Q9. FIND THE ODD ONE OUT

(a) 2313

~~(b) 5767~~

(c) 6345

(d) 7574

$$\textcircled{2313} \Rightarrow$$

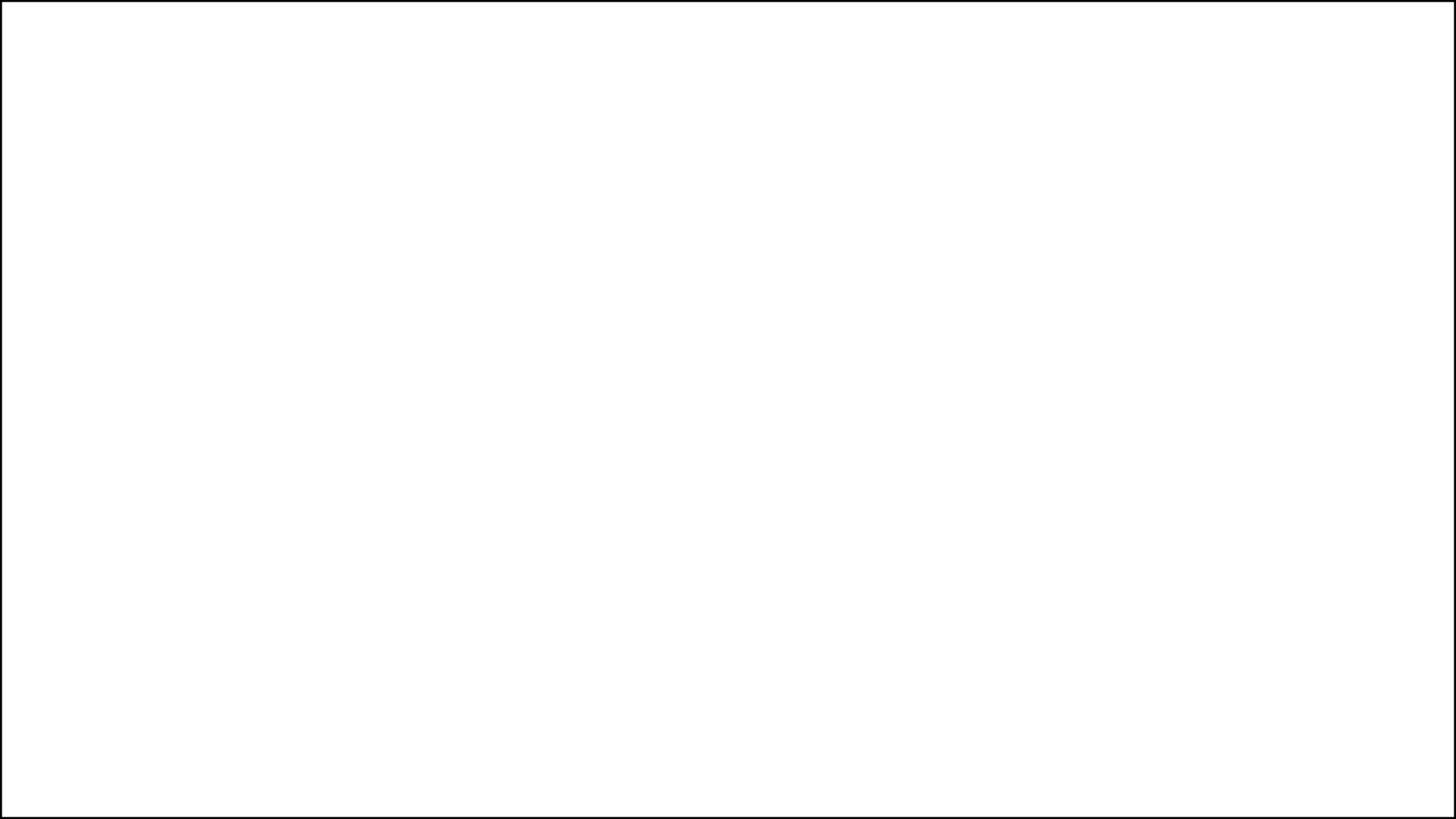
$$2^2 + 3^2 = 4 + 9 = \textcircled{13}$$

$$5767 \Rightarrow$$

$$5^2 + 7^2 = 25 + 49 = \textcircled{74}$$

$$6^3 + 3^2 = 36 + 9 = 45$$

$$7^2 + 5^2 = 49 + 25 = \textcircled{74}$$



Q10.FIND THE ODD ONE OUT

(a) 639 →

(b) 5719

(c) 455

(d) 757 ✓

$$\cancel{63} / \cancel{9}$$

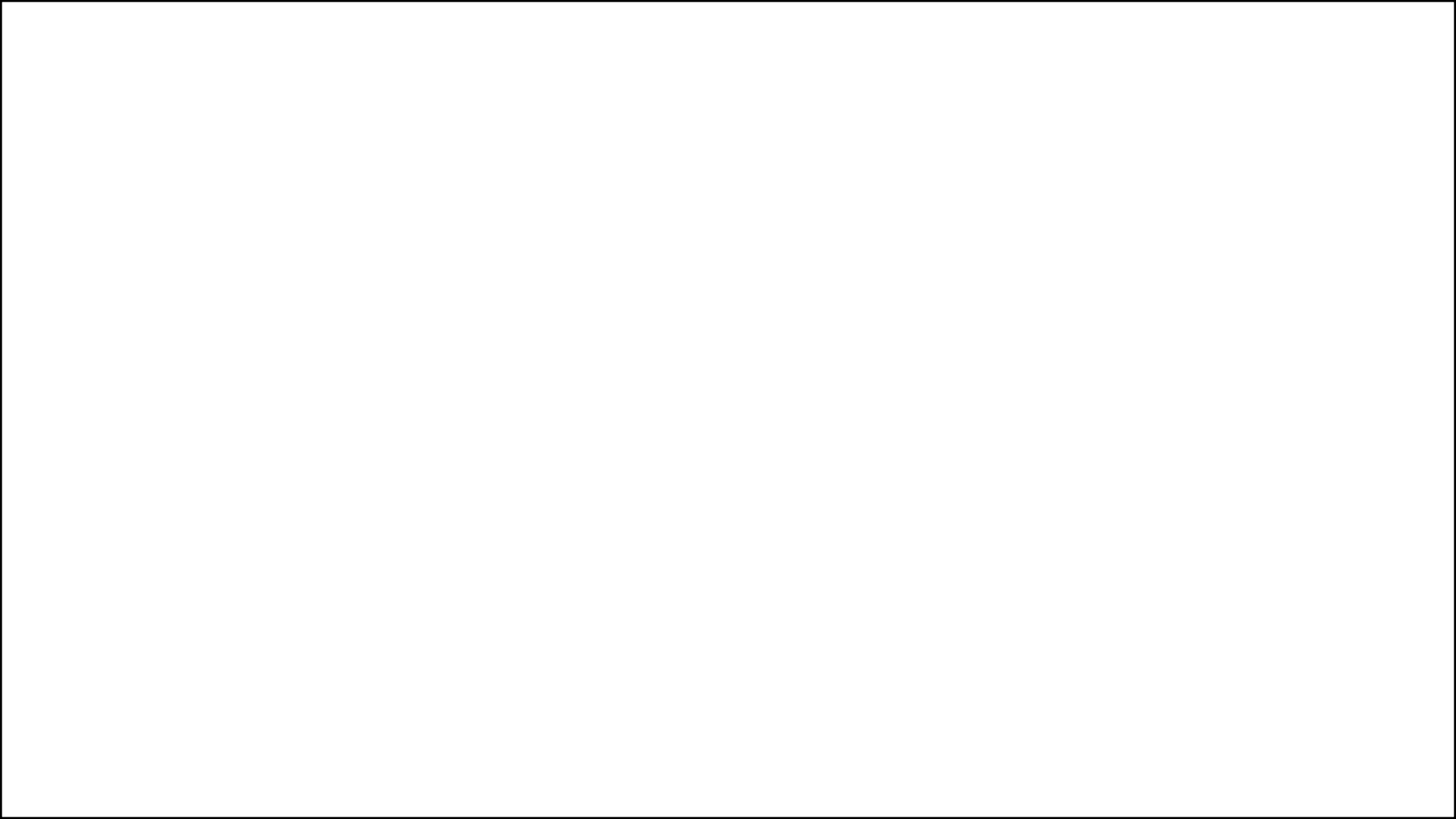
$$57 / 19$$

$$45 / 5$$

$$75 / \textcircled{7} \alpha$$

ⓓ

Division



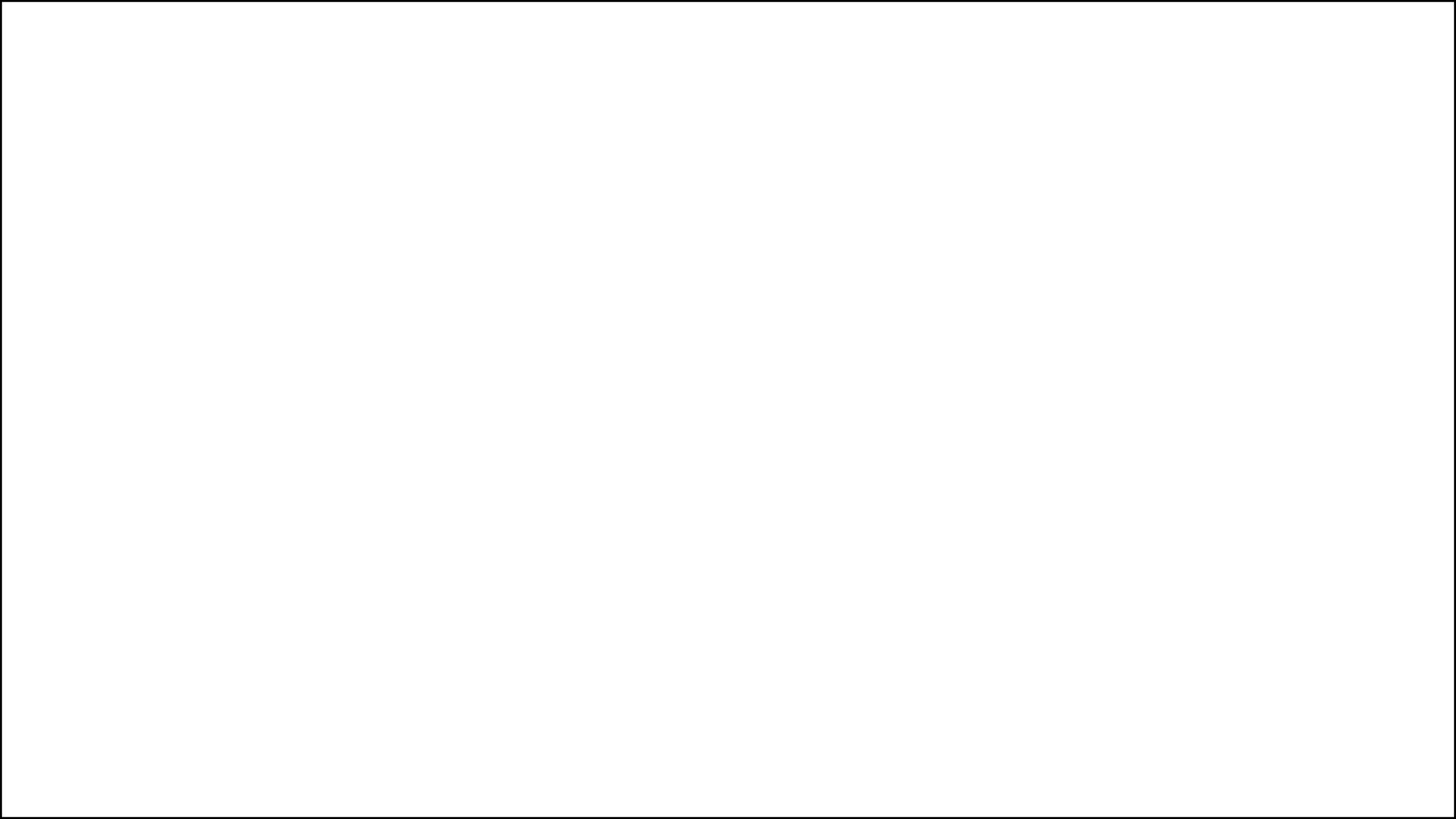
Q11.FIND THE ODD ONE OUT

(a)639

(b)5719

(c)455

(d)757



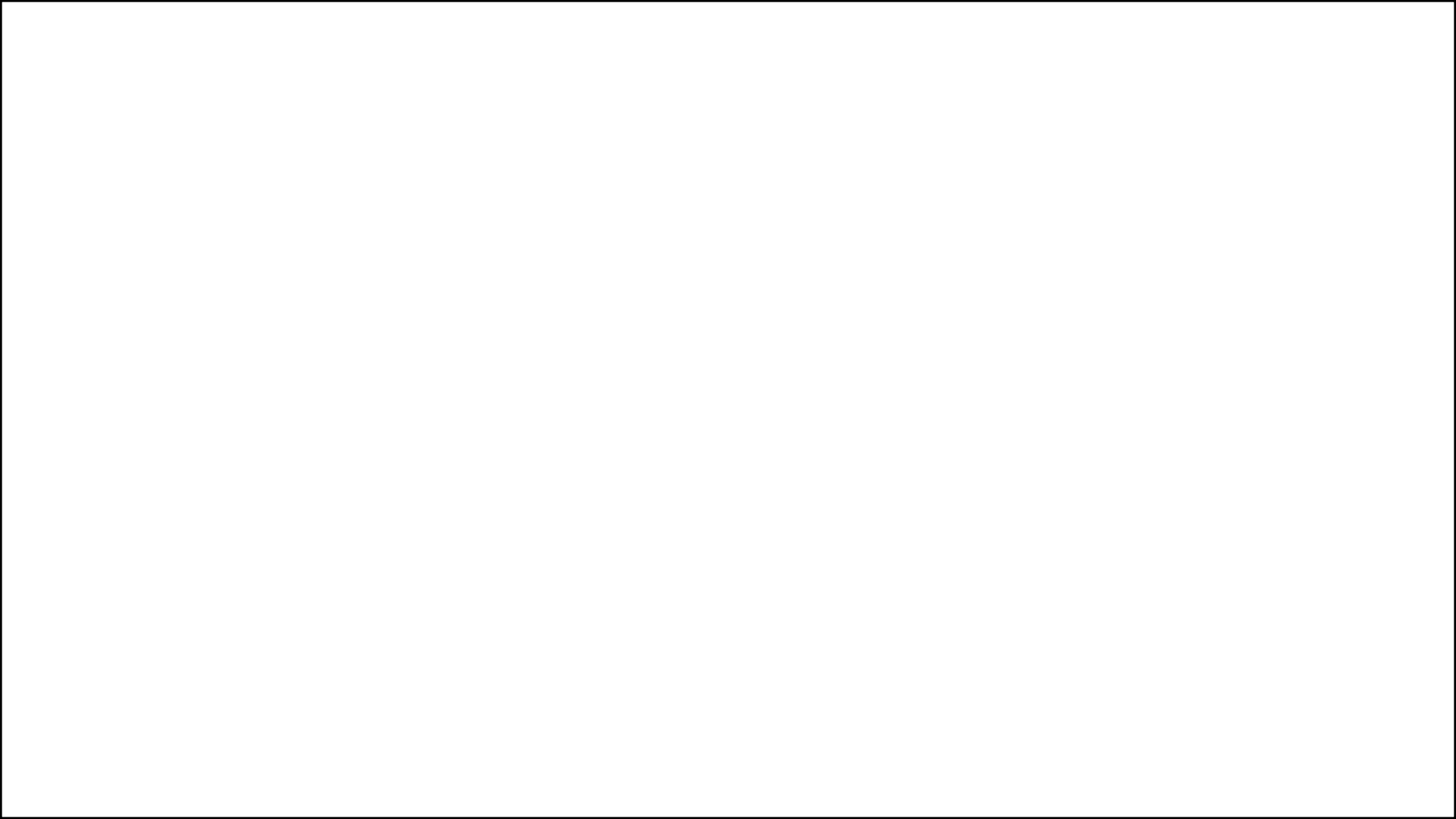
Q12.FIND THE ODD ONE OUT

(a)16 $\rightarrow 4^2$

(b)21

(c)09 $\rightarrow 3^2$

(d)81 $\rightarrow 9^2$



Q13.FIND THE ODD ONE OUT

(a)143



$$12^2 = 144 - 1 = 143 \quad \checkmark$$

(b)122

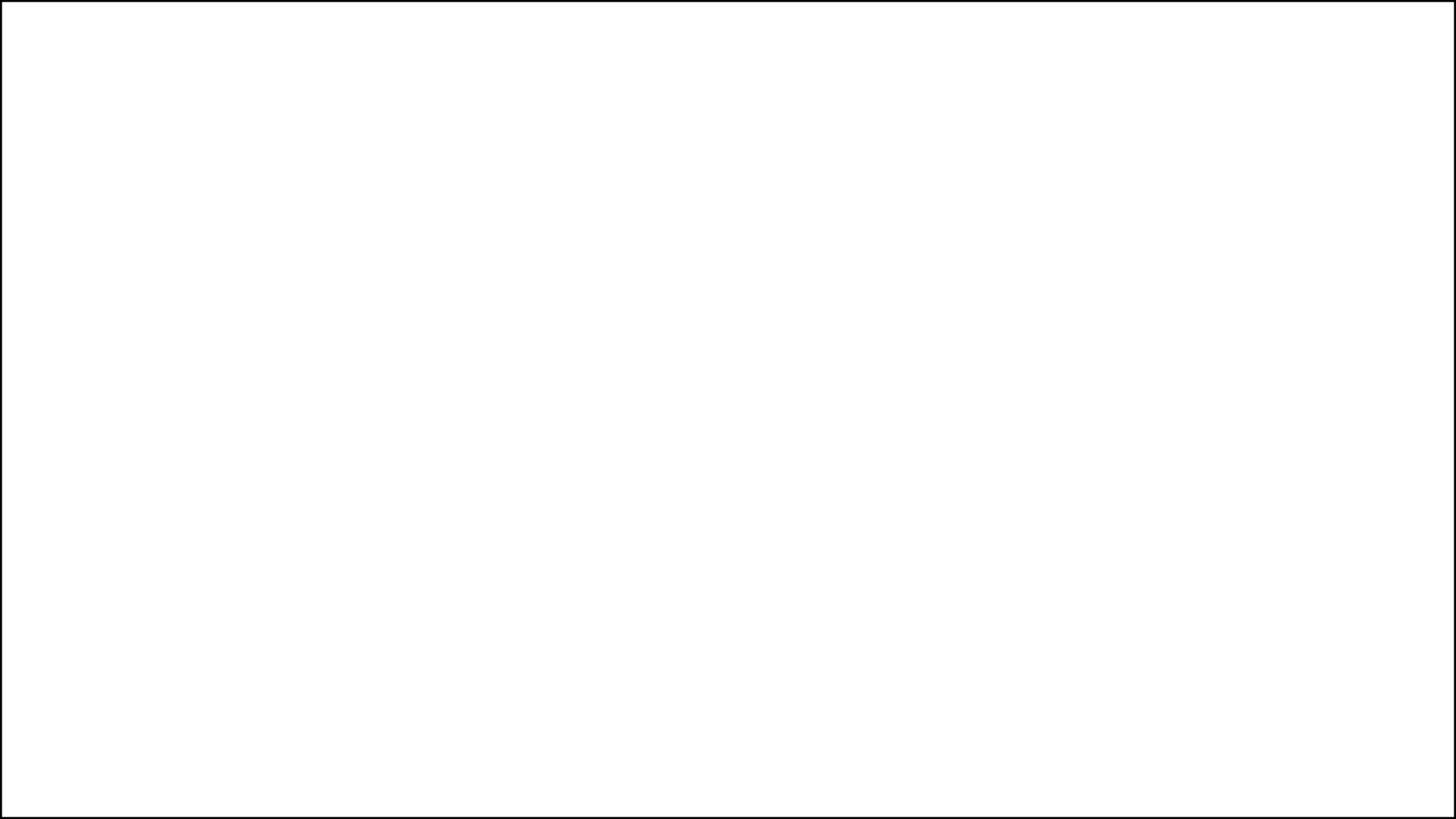
$$(11)^2 = 121 + 1 = 122 \quad (+) \quad \checkmark$$

(c)48

$$7^2 = 49 - 1 = 48 \quad \checkmark$$

(d)168

$$(13)^2 = 169 - 1 = 168 \quad \checkmark$$



Q14.FIND THE ODD ONE OUT

~~(a)81~~

— $9^2 \rightarrow 9$ ✓

(b)121

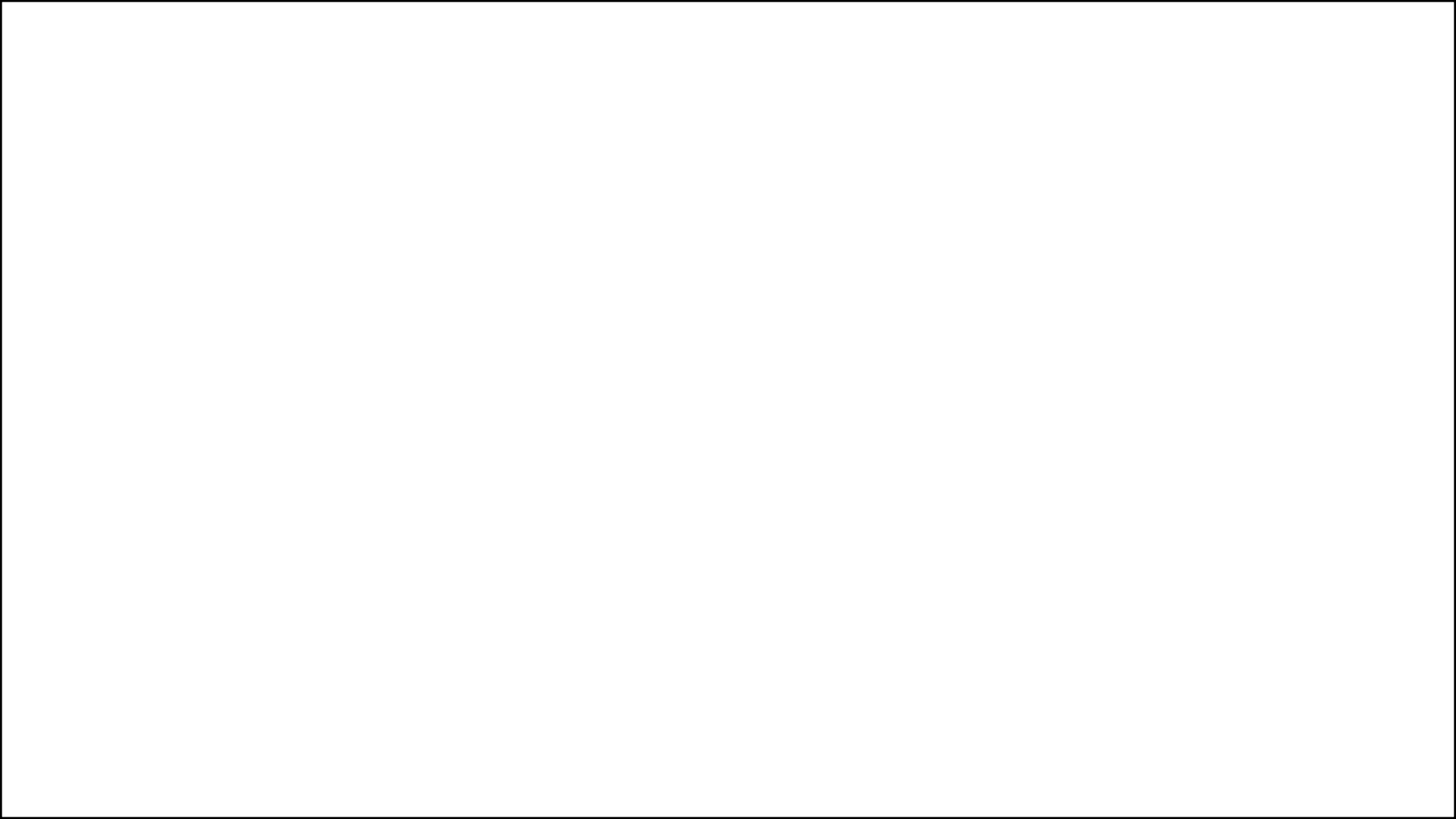
$\rightarrow 11^2 \rightarrow 11$ — Prime

(c)09

$\rightarrow 3^2 \rightarrow 3$ Prime

(d)25

$\rightarrow 5^2 \rightarrow 5$ Prime



Q15. FIND THE ODD ONE OUT

(a) 15 $3 \times$

(b) 21 3×7

(c) 07 ~~14~~

(d) 57 $3 \times$

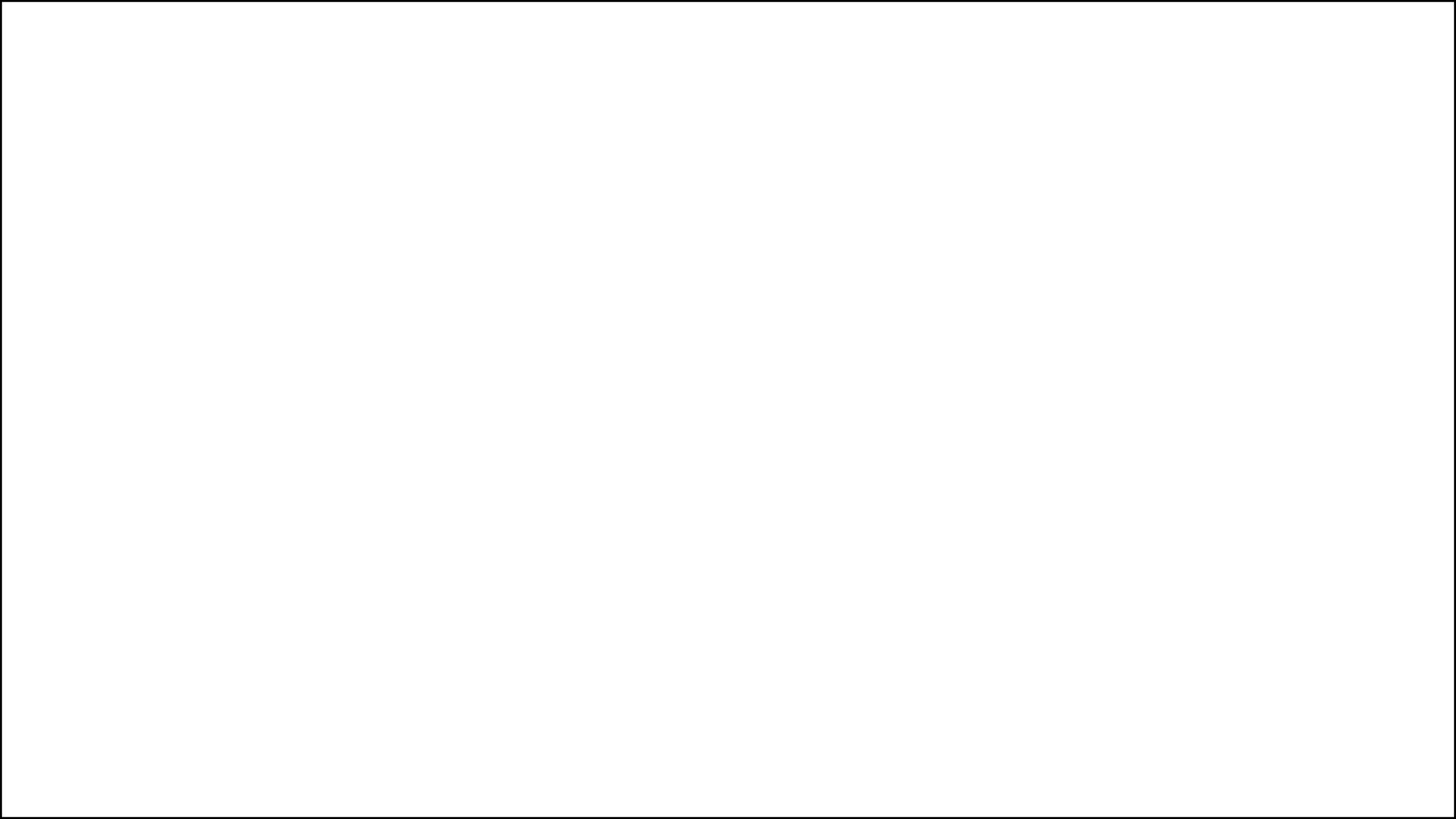
07

CGI

==

No = 7

Prime No



Q16.FIND THE ODD ONE OUT

(a)612

(b)~~821~~

(c)927

(d)691

→

521

✓

$$6^3 = 216$$

$$5^3 = 125$$

$$9^3 = 729$$

$$(14)^2 = 196$$