DAY 70 • LIVE

MCA CET 2025

REASONING

REVISION

MIXED TOPICS

INEXORABLE

MAH MCA CET 2025

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FOR MAH MCA CET 2025

Ordinary = 365 ⇒ 1 odd

Leap = 366 ⇒ 2 odd.

Calendar

J	F	m	A	M	J
3	0	3	2	3	1

$\frac{2000}{400} = 0$

What day of the week was 29 June 2010?

(a) Monday

(b) Wednesday

(c) Sunday

(d) Tuesday

0 - Sun

1 - Mon

2 - Tue

6 - Sat

2000 + 9 years +

2004 2008

400 ⇒ 0

300 ⇒ 1

200 ⇒ 3

100 ⇒ 5

4 + 5 ⇒ 9 ⇒ 7 + 2

2 leap ⟶ 2 × 2

7 ordinary ⟶ 1 × 7

4 + 7 = 11

7 + 4

Logic Gates

What day of the week was 5 February 2008?

(a) Thursday

(b) Monday

(c) Tuesday

(d) Wednesday

2000 — 7 years

1 L — 1 × 2 = 2

6 0 — 1 × 6 = 6

8

1 + 3 + 5

9 ⇒ 7 + 2

Tues

29th Jan 2003 → Wed (+1)

29th Jan 2004 Leap → Thurs (+2)

29th Jan 2005 → Sat

26 Feb 2005

If 29 January 2003 is a Wednesday, then what day of the week will be 26 February 2005?

(a) Saturday
(b) Sunday
(c) Thursday
(d) Friday

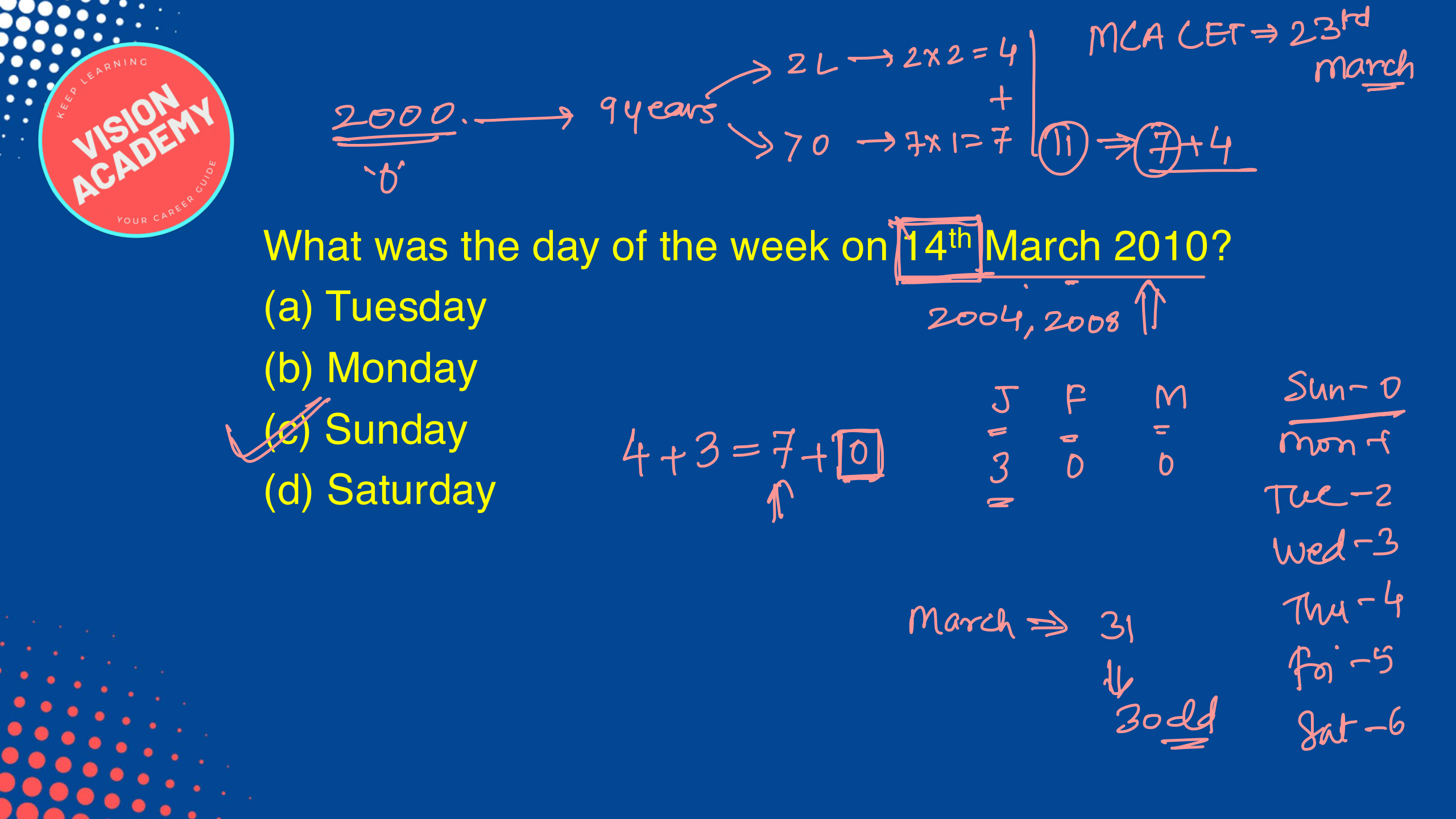
29th Jan + 5th feb (+7) → 12th feb
Sat Sat Sat

12th feb (+7) → 19th feb Sat

19th feb (+7) → 26th feb Sat

Ans (a) / Quant

7-10



2000 → 94 years → 2L → 2×2 = 4, 70 → 7×1 = 7, 4 + 7 = 11 → 7 + 4

'0'

MCA CET ⇒ 23rd March

What was the day of the week on 14th March 2010?

(a) Tuesday

(b) Monday

(c) Sunday

(d) Saturday

2004, 2008

4 + 3 = 7 + 0

J	F	M
=	=	=
3	0	0

Sun - 0
Mon - 1
Tue - 2
Wed - 3
Thu - 4
Fri - 5
Sat - 6

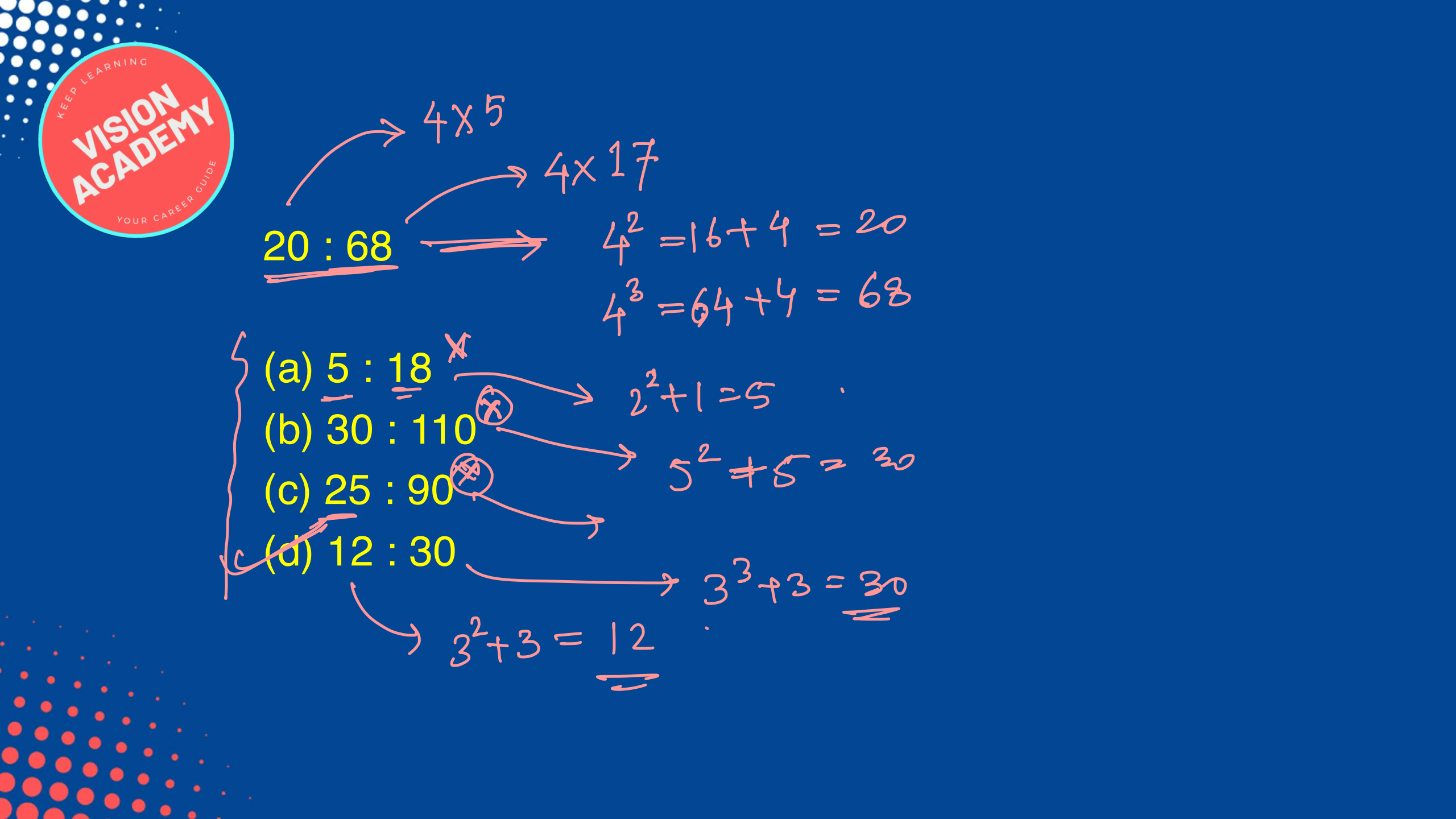
March ⇒ 31 ↓ 3 odd

work

how is it related

Ink : Write : : Medicine : ? Cure

(a) Doctor (b) Chemist (c) Tablet (d) Cure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4x5
4x17
20 : 68
$4^2 = 16 + 4 = 20$
$4^3 = 64 + 4 = 68$
(a) 5 : 18
(b) 30 : 110
(c) 25 : 90
(d) 12 : 30
$2^2 + 1 = 5$
$5^2 + 5 = 30$
$3^3 + 3 = 30$
$3^2 + 3 = 12$

‘Density’ is related to ‘Hydrometer’ in the same way as ‘Mass’ is related to ‘_____’.

(a) Kilogram (b) Heaviness

(c) Balance (d) Volume

E J O T Y
5 10 15 20 25

E A S T
5 1 19 20 ⇒ 45 × 4
=

If EAST is coded as 180 and NORTH is coded as 375, then how will SOUTH be coded as?

(a) 625 (b) 415 (c) 83 (d) 332

14 15 18 20 8
29

75
× 5 = 375

S O U T H
19 15 21 20 8

83 × 5 = 415

B A R B E R
2 1 18 2 5 18
2 1 26 18 9 2 25 5 22 18 9 = 46

A → 1
A → 26
→ 27

B → 2
25
27

→ 116

If BARBER is coded as 116 and GLINT is coded as 73, then how will LIZARD be coded as ?

(a) 92 (b) 93 (c) 91 (d) 90

L I Z A R D
12 9 26 1 18 4
15 18 1 26 9 23

G L I N T
7 12 9 14 20
20 15 18 13 7
62
20

73

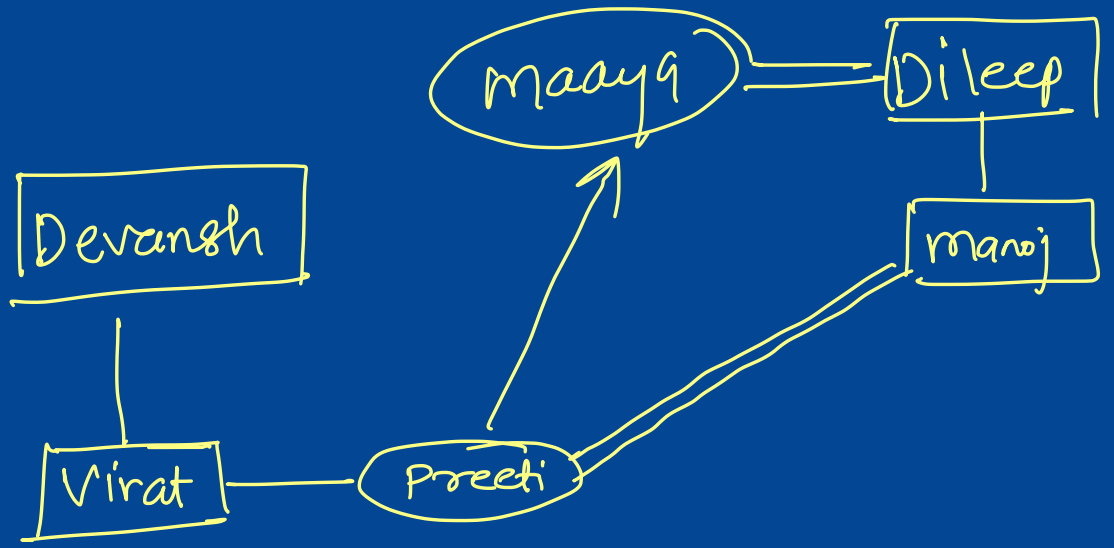
Blood Relⁿ.

Preeti is the only sister of Virat. Manoj is the son of Dileep, who is the husband of Maaya. Virat is the son of Devansh. Devansh is Manoj's father-in-law. How is Maaya related to Preeti?

m F △

(a) Daughter-in-law (b) Sister-in-law

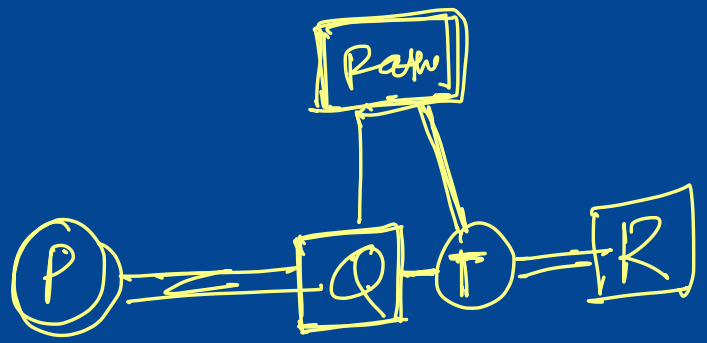
(c) Mother (d) mother-in-law



P and Q are husband and wife. P's father-in-law is R's wife's father. Q is the brother of T. How is P related to R's wife?

(a) Aunt (b) Cousin

(c) Sister-in-law (d) Brother



The sales boy of a washing machine store charges his customers 24% more than the cost price. If a customer paid ₹6,200 for a washing machine, then what was the cost price of the washing machine?

(a) ₹5,500 (b) ₹5,000 (c) ₹6,200 (d) ₹7,200

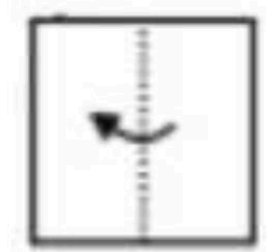
Refn

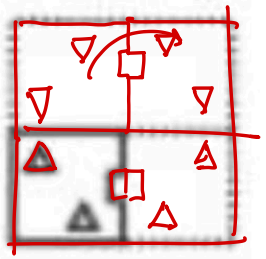
$$x + 24\% \text{ of } x = 6200$$

$$x + \frac{24}{100}x = 6200$$

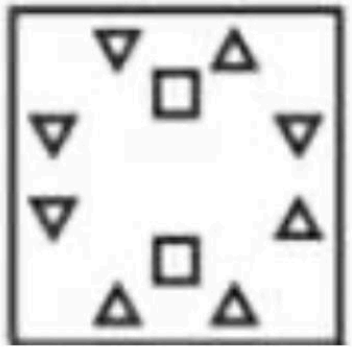
$$\frac{124x}{100} = 6200 \Rightarrow x = \frac{6200 \times 100}{124_1}$$

$$\boxed{x = 5000}$$

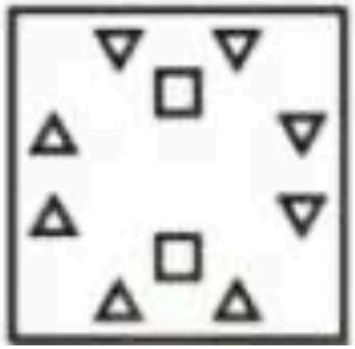




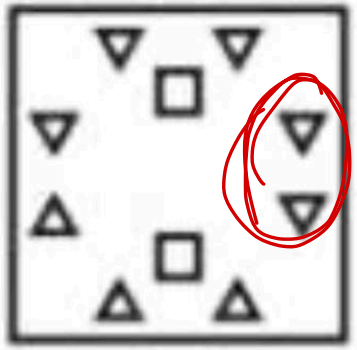
(a)



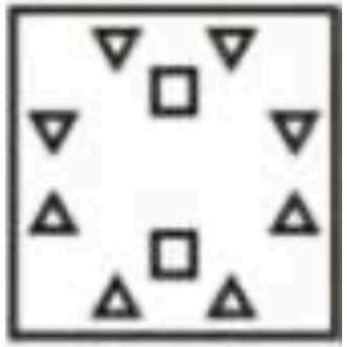
(b)



(c)

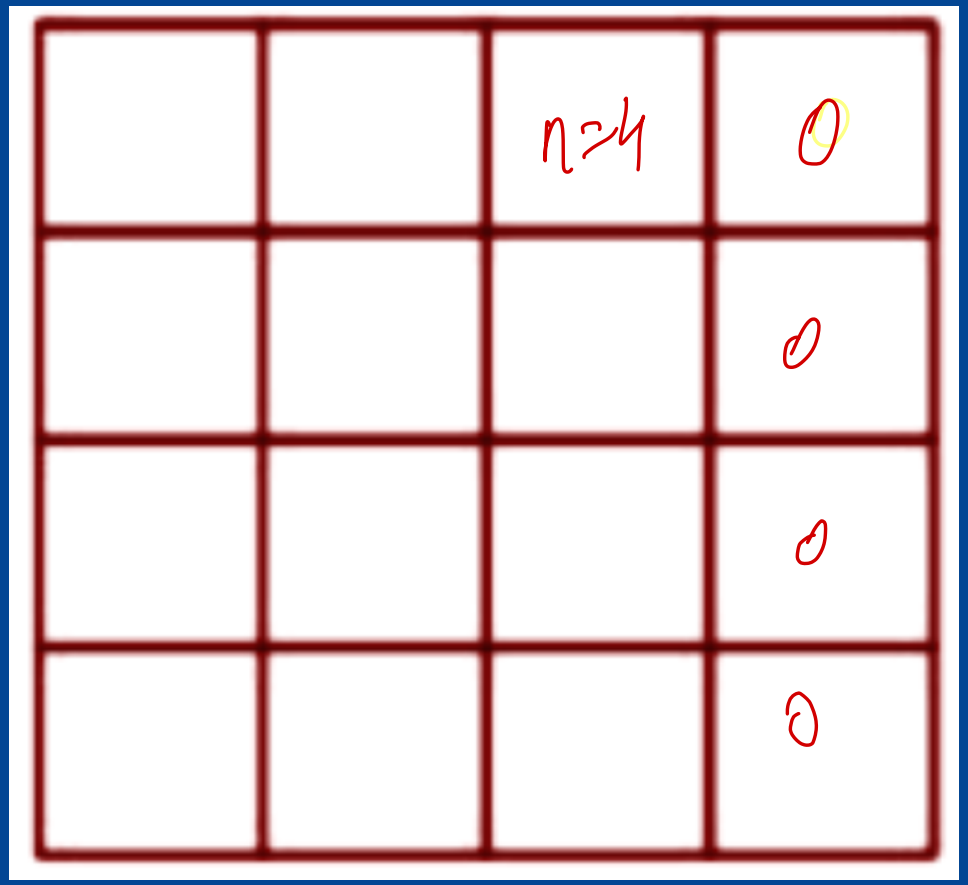


(d)



Find the number of squares in the following figure.

~~(a)~~ 30 (b) 28 (c) 24 (d) 32



counting figures →

$$\frac{n(n+1)(2n+1)}{6}$$

$$= \frac{4 \times 5 \times 9}{6} = 30$$

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