Coding & De coding



- Letter - Letter coding

, Lettor- Number codmo

- walds codmay

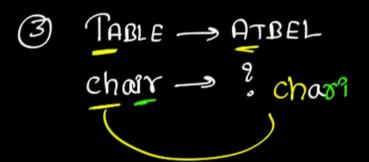
- Statement coding

hetter-Letter coding:-

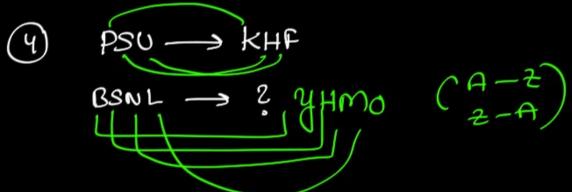


BELHI is coded as EFMIJ what is the code for pune?

C+1,+1,+1,+1--)







3 Drink in coded as Equins

7 82:-

Letter - Number (

Coding



IES _____ ?

9-5-19

(Letter's Number)

Sum of the

Letter's Number

17. If
$$E = 10$$
; $J = 20$; $O = 30$; and $T = 40$, what will be $P + E + S + T$? (GATE - 2019)



- (a) 120
- (c)82

- (b) 164
- (d) 51

Doubled the Letter's number

- If AT = 20, BAT = 40, Then CAT will be equal to 2.1.20
 - (a) 30
- Product

48

- (d) 70

11 2311292025 If AROMA = 24, GRAND = 22, KWALITY = ?

- (a) 40
- (c) 55.5

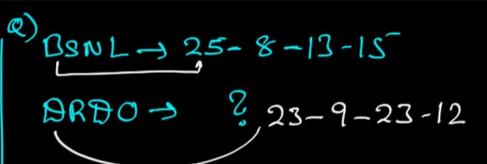
- (b) 62
- (d) 50.5

add

BOOK = 172 (43 x 4 = 172)

PEN = 105 (35 x 3 = 105)

INK =
$$\frac{2}{9}$$
 (34 x 3 = $\frac{2}{9}$?





opposite letteris number.

Statement coding: white -> Black Black - Red Red ___ pmlc pmk - green In that Language, what is colour of Blood? 09. If ROOM is called BED, BED is called WINDOW, WINDOW is called FLOWER and FLOWER is called COOLER, on what would a man sleep?

(a) WINDOW

(b) BED

(c) FLOWER

(d) COOLER

10. If SAND is called AIR, AIR is called PLATEAU,
PLATEAU is called WELL, WELL is called ISLAND and ISLAND is called SKY, then from
where will a woman draw water?

(a) WELL

(b) ISLAND

(c) SKY

(d) AIR



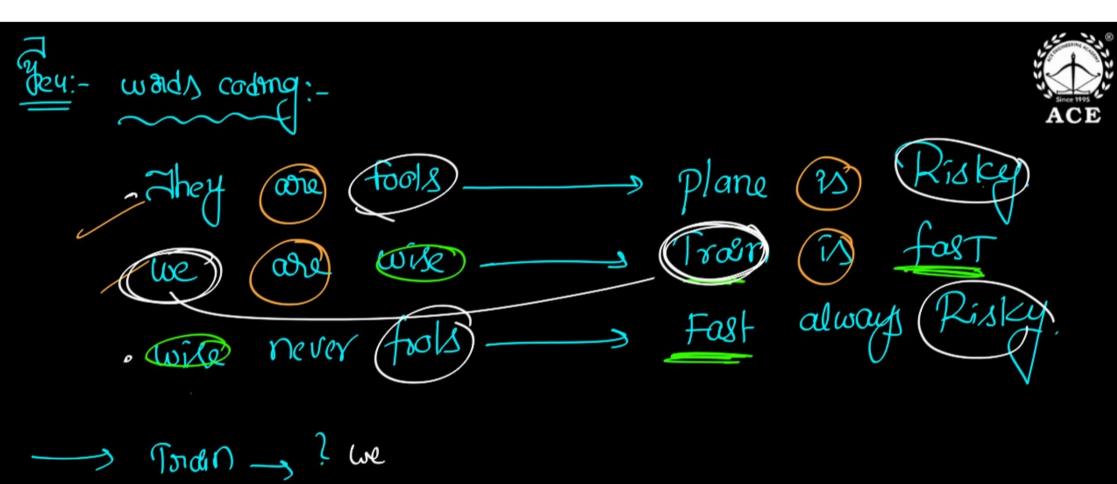
11. If SKY is called SEA, SEA is called WATER, WATER is called AIR, AIR is called CLOUD and CLOUD is called RIVER, then what do we drink when thirsty? (water -> Arr)

(a) SKY

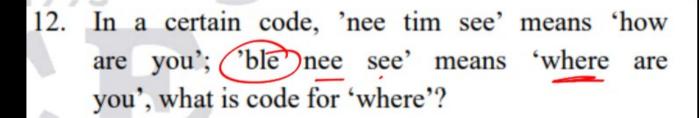
(c) WATER

(b) AIR

(d) SEA



? Fools





(b) tim

(c) see

(d) ble

13. In certain code language, '851' means 'good sweet fruit', '783' means 'good red rose' and '341' means 'rose and fruit'. Which of the following digit stands for 'sweet' in that language?

(a) 8

(b) 5.

(c) 1



Ages



2_ remember

Pognts.

5x, 7x, 8x

Ages become

Ages Ratio not given, then
$$A = 12 \%$$
 (el-
 $C = 2 \%$

hence After) from the present ACE

ago| before | last) " " "

a) The Poresent ages Ratio of P&Q is 5:7. The Ages difference blw Q's present age and p's age after 6 years will be "2" years. Find Sum of prossent ages of P&Q Together ! (3-Tames) $P:Q=5:7 \longrightarrow 5x,(7x)$ Q-(P+6)=2 9n Govi Jobs. 7x-(5x+6) = 2 7x-5x-6=2 (Sum of (P+Q) = 12(4) = 48

A person was asked to state his age in years. His reply was, "Take my age three years hence, multiply it by 3 and then subtract three times my age three years ago and you will know how old I am. What was the age of the person (years)?

(c) 24

$$3(\chi+3)-3(\chi-3)=\chi$$

$$3(\chi+3)-3(\chi-3)=\chi$$

$$3(\chi+3)-3(\chi-3)=\chi$$

$$3(\chi+3)-3(\chi-3)=\chi$$

$$3(\chi+3)-3(\chi-3)=\chi$$



The ratio between the present ages of A and B is 5: 3 respectively. The ratio between A's age 4 years ago and B's age 4 years hence is 1: 1. What is the ratio between A's age 4 years hence and B's age 4 years ago?

(a) 1:3

(b) 2: 1

(c) 3: 1

(d) 4: 1

A =
$$5(4) = 20$$

B = $3(4) = 12$
 $+4 + 4$
 $+4 + 4$
 $+4 + 4$

A:B= 5:3 (5x, 3x)

$$5x$$
, 3x

 -4
 $1+4$
 $5x-4$: $3x+4=1$:1

 $5x-4=3x+4$
 $2x=8$
 $x=4$

- 03. Hema's age is 5 years more than twice Hari's age.
 Suresh's age is 13 years less than 10 times Hari's age. If Suresh is 3 times as old as Hema, how old is Hema?

 (GATE)
 - (a) 14
- (b) 17

(c) 18

$$3[2hon^2 + 5] = 10hoon^2 - 13$$
 $6hoon^2 + 15 = 10hoon^2 - 13$
 $4hoon^2 = 28$
 $hoon^2 = 7$
 $hoon^2 = 7$
 $hoon^2 = 7$
 $hoon^2 = 7$



- 04. Six years ago, the ratio of the ages of Kunal and Sagar was 6: 5, Four years hence, the ratio of their ages will be 11: 10. What is Sagar age at present (years) is:
 - (a) 10 (b) 12

(c) 16

Gyn ago

$$K:S = 6:5$$

 $Gx, 5x$
Poresent => $6x+6$, $5x+6$
4 ye hence
 $Gx+10:5x+10 = 11:10$

$$60x + 100 = 55x + 110$$

$$5x = 10$$

$$x = 2$$

$$8agar = 5x + 6 = 5(2) + 6$$

$$= 16$$

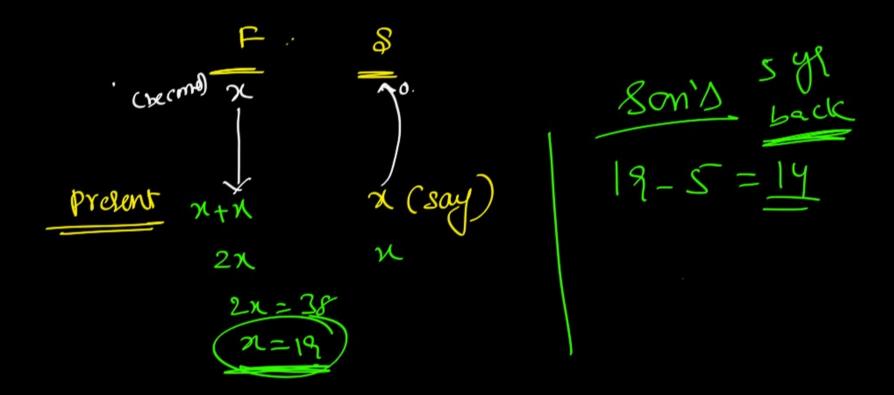
05. A father said his son, "I was as old as your are at present at the time of your birth." If the father age is 38 now, the son age 5 years back was:



(a) 14

(b) 19

(c) 33

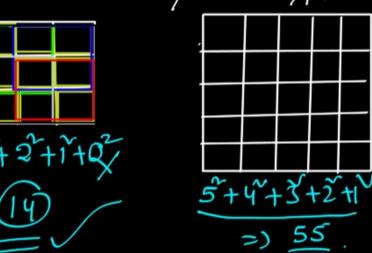


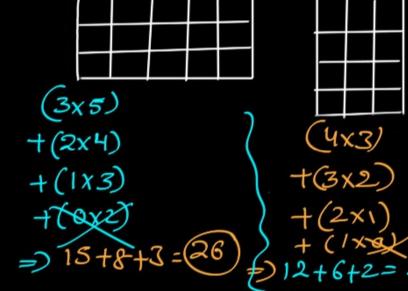
Analytical figures

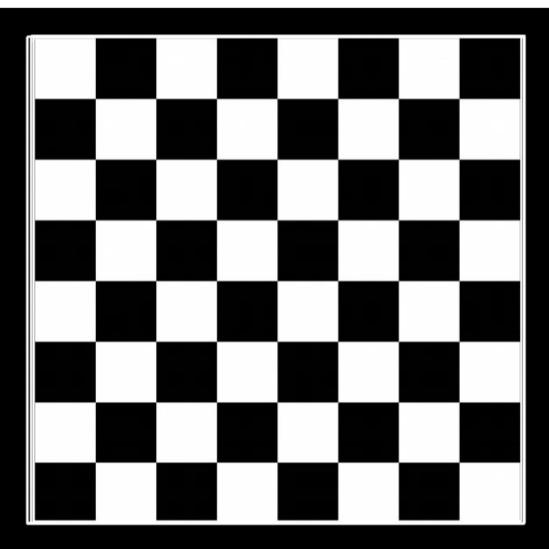


$$\frac{n(n+1)(2n+1)}{6} = \frac{5(5\pi)(11)}{8}$$





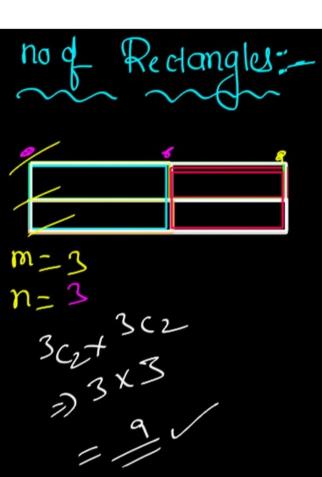


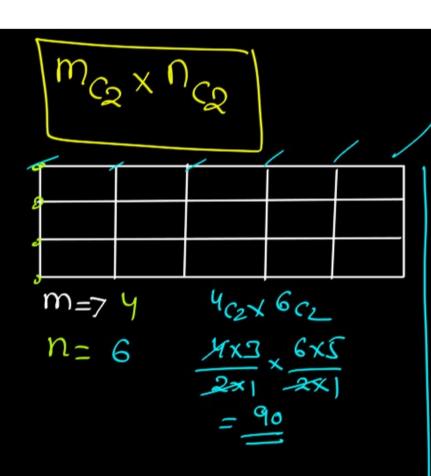














(Jesu)

$$=$$
 $n=3$ $n=5$

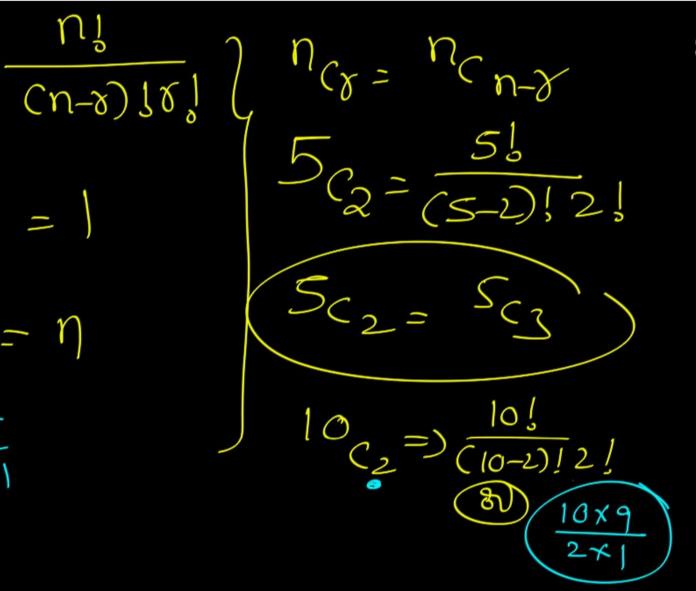
m= no of horizental 19nes n= no of Vorticle 19nes

$$n_{co} = \frac{n_i}{(n-\delta) |s|}$$

$$n_{co} = 1$$

$$n_{co} = \eta$$

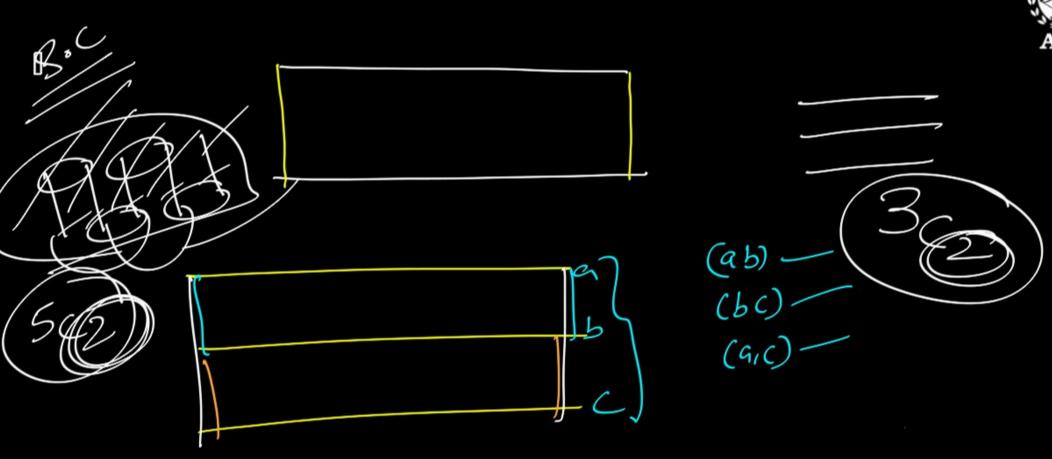
$$645$$



7 (3 = 3+2+1







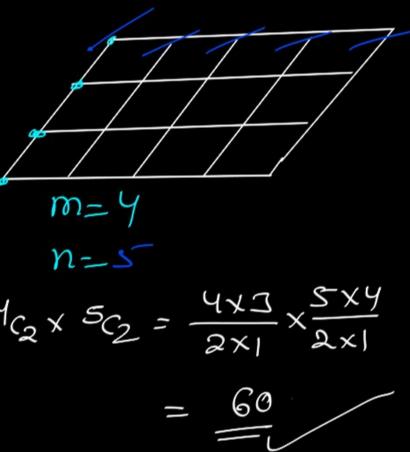
no of Paraelolograms!— (2019)

Mertiner

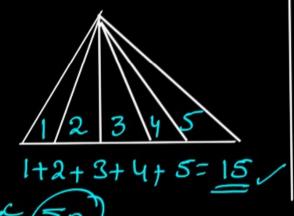
3 Cr

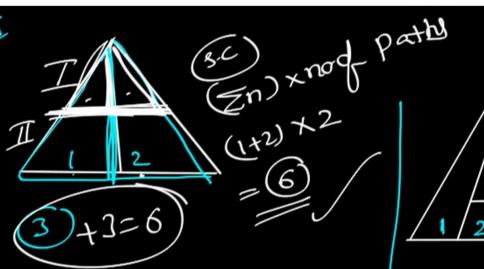
3c2 + 3 37 90

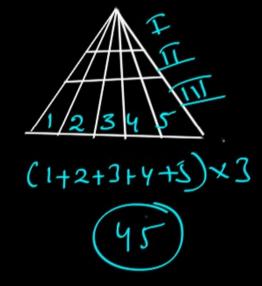


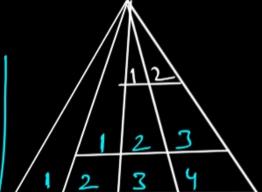












$$(1+2+3+4)$$

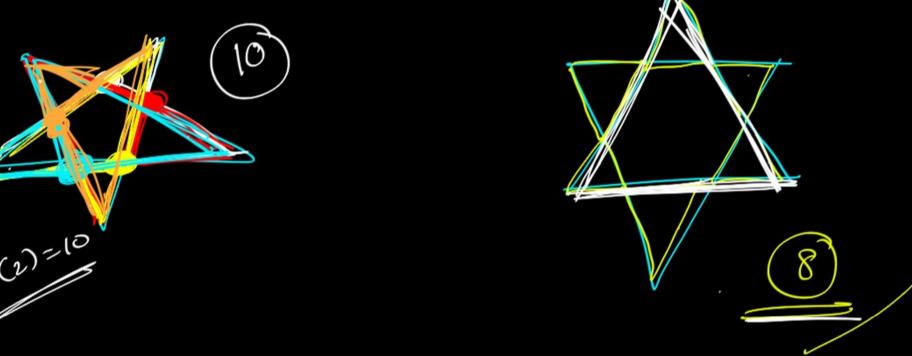
+ $(1+2+3)$
+ $1+2$
=> (19)



Triangles (Stay). 111 no



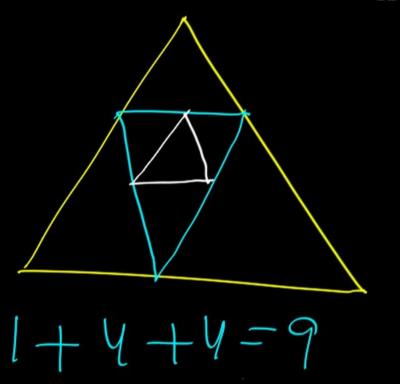




<u>IY</u> = 5







$$4(1)-3=1$$
 $4(2)-3=5$
 $4(3)-3=9$
 $4(4)-3=13$









