

Problem Solving

Monday, 25 July 2022 8:08 PM

8:23 → 9:23

Conditional Statements

Problem 1-

Create a program which gives output for children to go out in park if the temperature is between 20 degrees Celsius – 25 degrees Celsius and if it's not raining outside, ask them to be in play school if the temperature is between 18 degrees Celsius to 20 degrees Celsius and raining otherwise, they should not step out of the home.

10min

12min

20 - 25°C && !raining } children can go out
18°C - 20°C && raining } play school
otherwise => not step out of home

FSD-Class #180DaysOfPurpose Relevel by Unacademy

Royal Enticed

1 → if (bike == ??)

2 { console.log("Purchase");

3 }

4 }

5 else {

6 console.log("not");

7 }

8 }

↓

(condition) { statement 1 : statement 2 }

xxx

if (bike == "Honda") {

if (price <= 50000) {

State 1

}

else {

State 2

}

else {

State 3

}

(condition) { (condition 2) { state 1 : state 2 : state 3 }

Problem 2 -

Create a program to print the result as pass if the marks obtained is greater than or equal to 40 using ternary operator.

>= 40 } Pass

fail

ES6

let const

var

xxx

Conditional Statements

Problem 3 -

Create a program to find if the number is positive, negative or zero.

40 } true

-ve

= 0

switch (temp) {

case false:

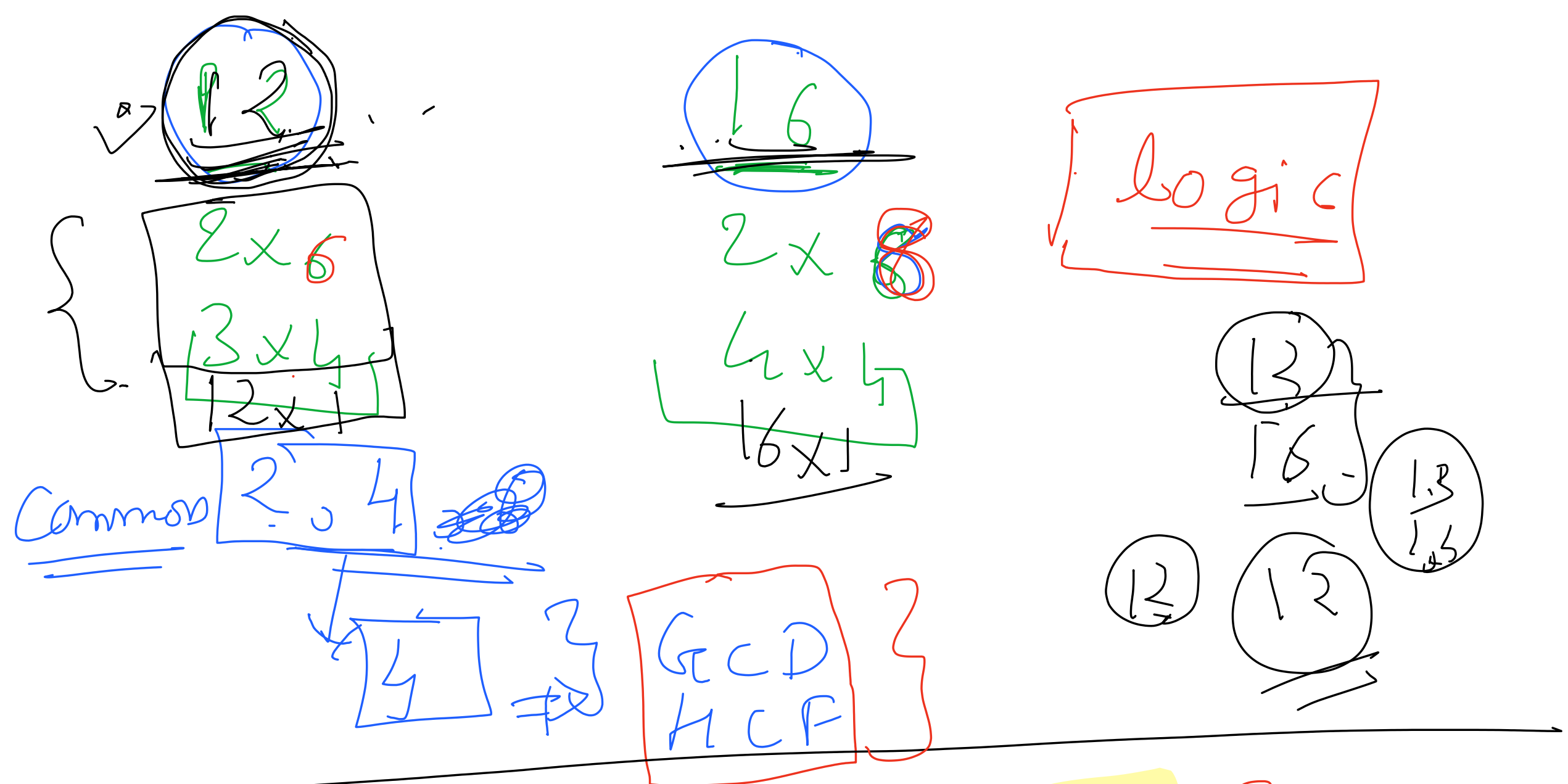
let temp = false;

case tree:
break;
break;
3 default;

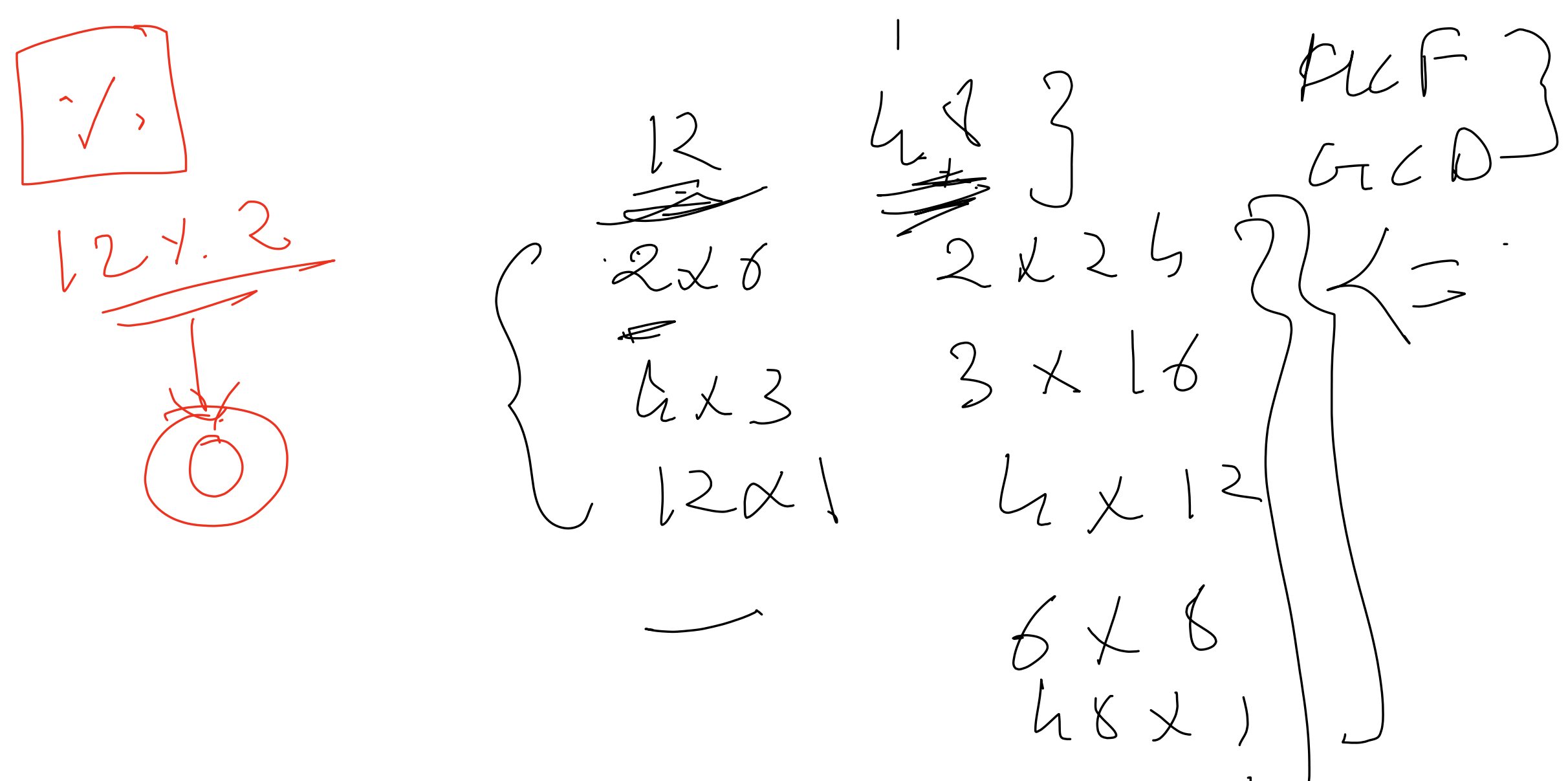
Iterative Statements

Problem 4 -

Write a program to find the HCF or GCD of two integers



12, 16
① $\angle = \min(12, 16)$
② $\text{num} \cdot i == 0$



1, 2, 3, 4, 6, 12

12, 16
fnum gnum
HCF = $\angle = 12$
①

