

Lesson 13 (28th June)

Activities

Objectives:

- find factors of a number.
- ~~find common factors of 2 numbers.~~

Outcomes:

- Have a better understanding of factors.
- Develop the skill of 'trial' and improvement.

- Abundant numbers (20 min)
- Factor Track game (25 min)
- Longest Chain (10 min)
- H-W (5 min)

Opening

~~(Do Now)~~

Write and add all the factors of 12 (except 12 itself)

→ 1, 2, 3, 4, 6, 12

= 16

"What do we mean by the term abundant?"

5 min

→ "a lot" "large quantity"

Numbers which have a lot of factors are called abundant no.s.

(15 min)

Number	Factors	Sum (except the no.)	Abundant?
6			
8			
10			
18			
24			
25			

15 min

Challenge: 60
48
54

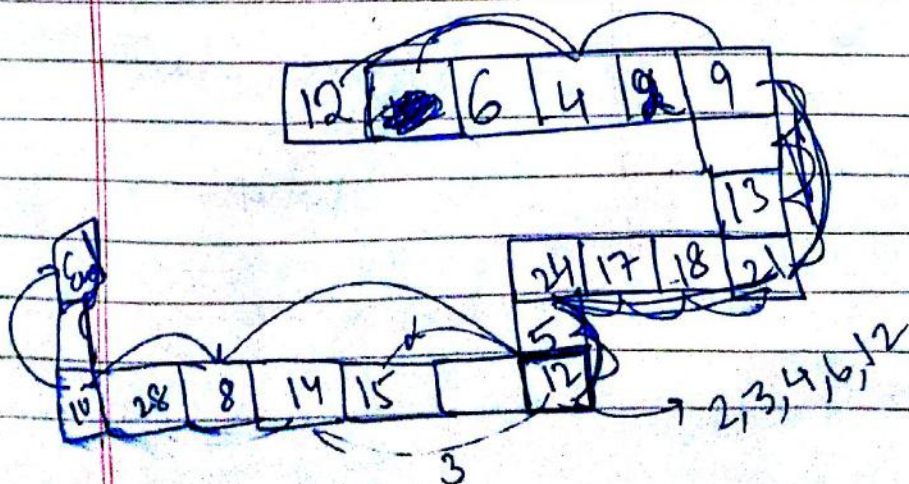
[Those who finish first will try to find all abundant numbers till 100]

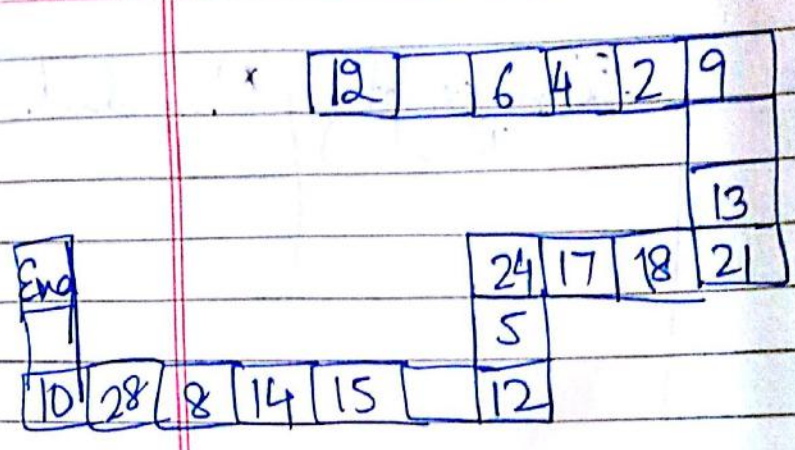
(Kids come and do on the board)

[HW: Find all abundant numbers till 100].
16
21
22
24
26
27
1, 3, 9, 10

Factor track game

Explaining the game (10 min)





- ① Can move only by the factor of the no.
- ② Cannot move 1 step.
- ③ You have to land ~~at~~ at all corners.

Kids try the next two factor tracks. (15 min)

H.W

- ① Find shortest path.
 - ② Find 10 abundant numbers.
- (Give sheets white)