

# PRIME NUMBERS



GET READY

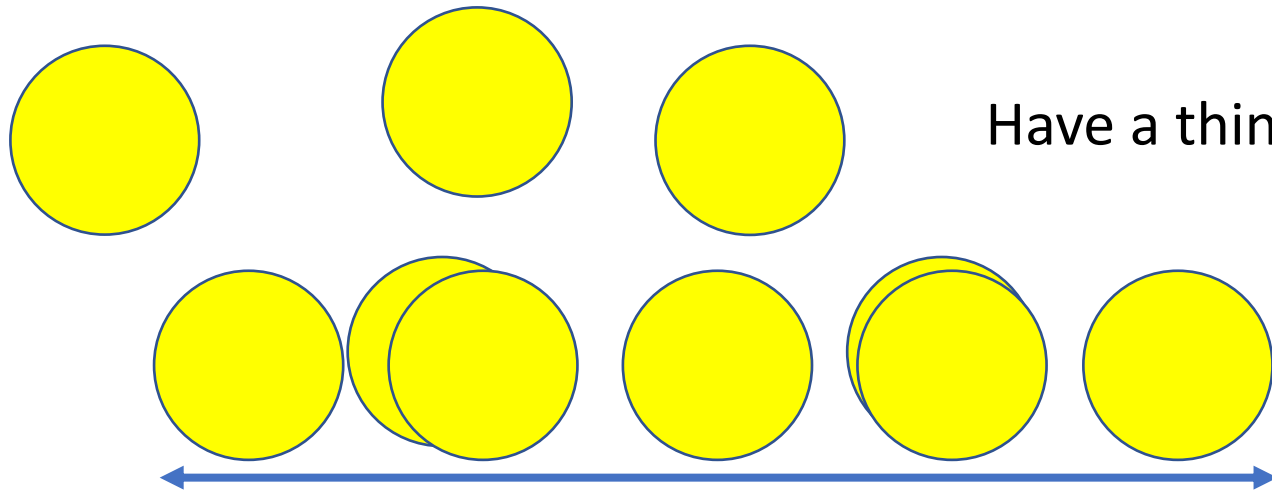


- 1) How many factors does 1 have?
- 2) List the factors of 9
- 3) List the factors of 17
- 4) What is the highest common factor of 12 and 24?

- 1) How many factors does 1 have? 1
- 2) List the factors of 9 1, 3, and 9
- 3) List the factors of 17 1 and 17
- 4) What is the highest common factor of 12 and 24? 12

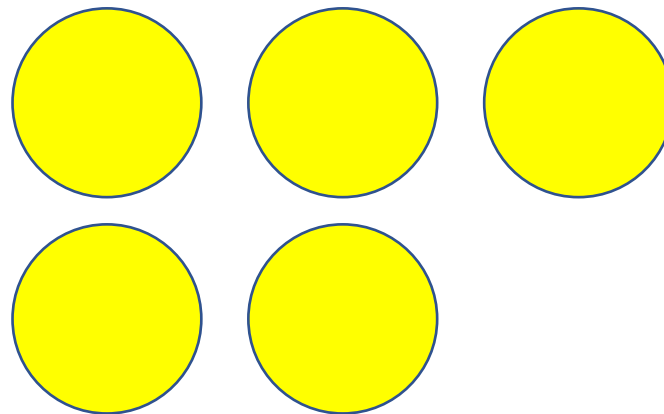
LET'S LEARN





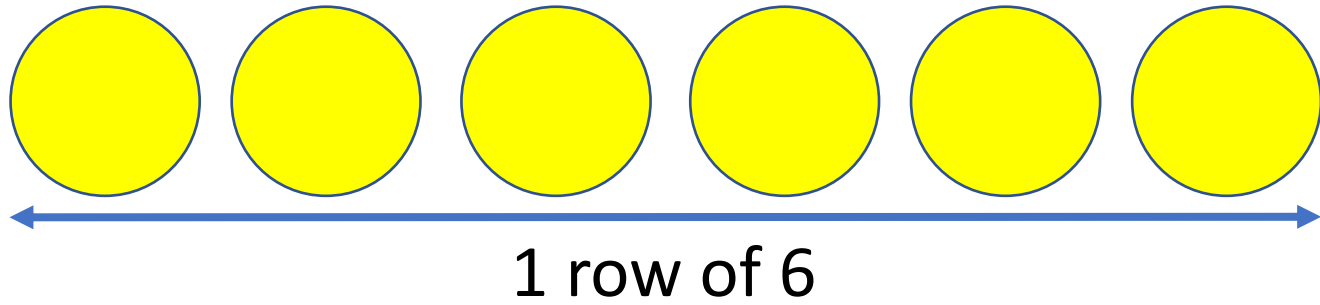
1 row of 5


Have a think

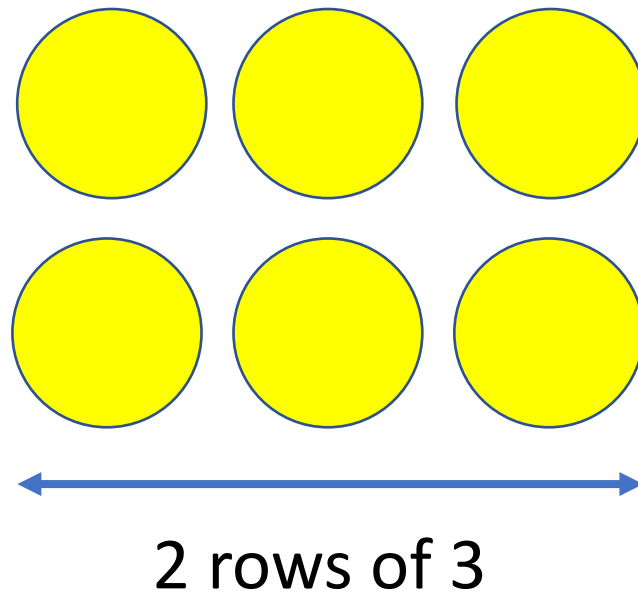


The only  
factors of 5 are  
1 and 5

**5 is a prime number**



Have a think 

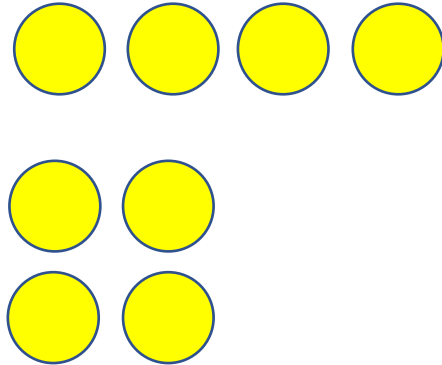


With which of these numbers  
can you only make one  
rectangular array?

Have a think



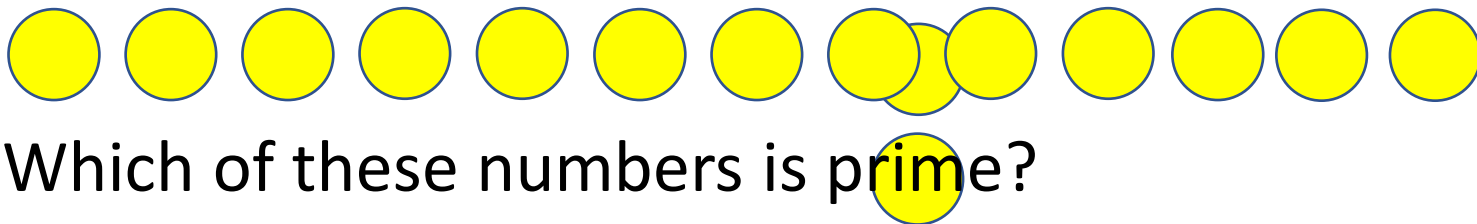
4



11



13



Which of these numbers is prime?

**YOUR TURN**

Have a go at questions  
1 - 5 on the worksheet



# Are any of these numbers prime numbers?

A prime number is a whole number with exactly two factors: 1 and itself.

1,263



7,314



Have a think



8,455



9,027



$$1 + 2 + 6 + 3 = 12$$

Ends in a 4

12 has 3 as a factor Even number

1,263 has 3 as a factor 1,263 has 3 as a factor

A multiple of 5

Has 5 as a factor

9,000

27

2 is the only even prime number

Both have 9 as a factor



Teddy is thinking of a prime number.

Have a think

- It has 2 digits.
- It is between 10 and 39
- It is 1 more than a multiple of 6
- It is 3 less than a multiple of 10

What is Teddy's number? 37

6	12	18	24	30	36
7	13	19	25	31	37

**YOUR TURN**

Have a go at questions  
6 - 10 on the worksheet

