

PRIME NUMBERS



GET READY



- 1) How many factors does 1 have?

- 2) List the factors of 9

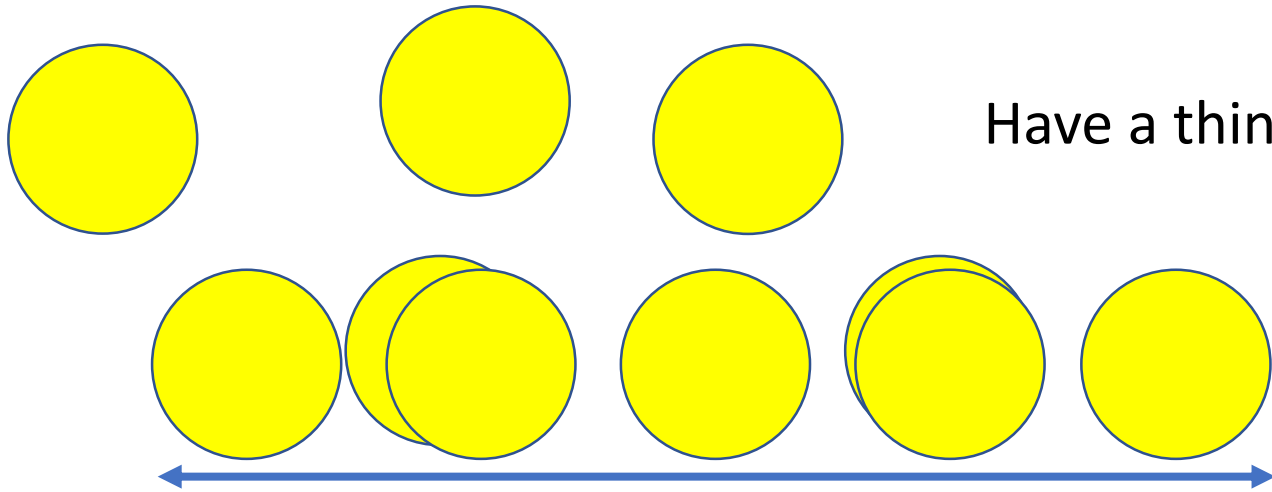
- 3) List the factors of 17

- 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

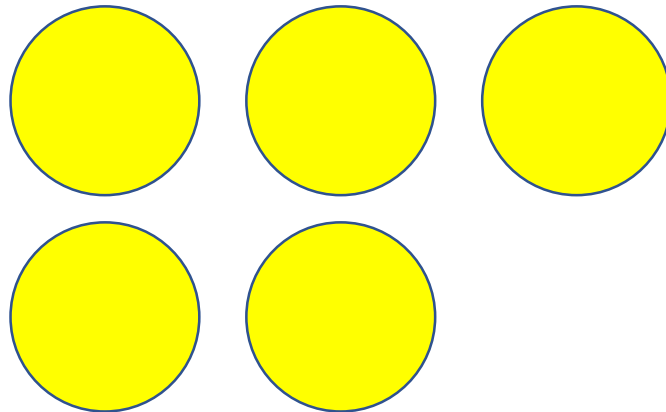




Have a think

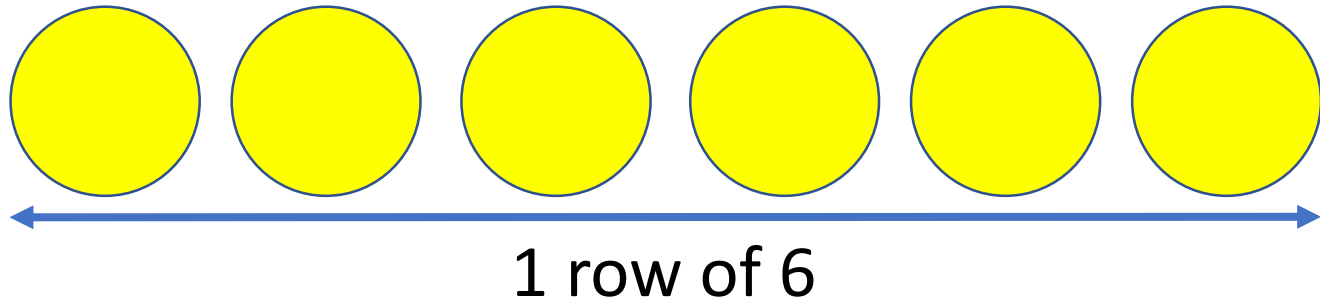



1 row of 5

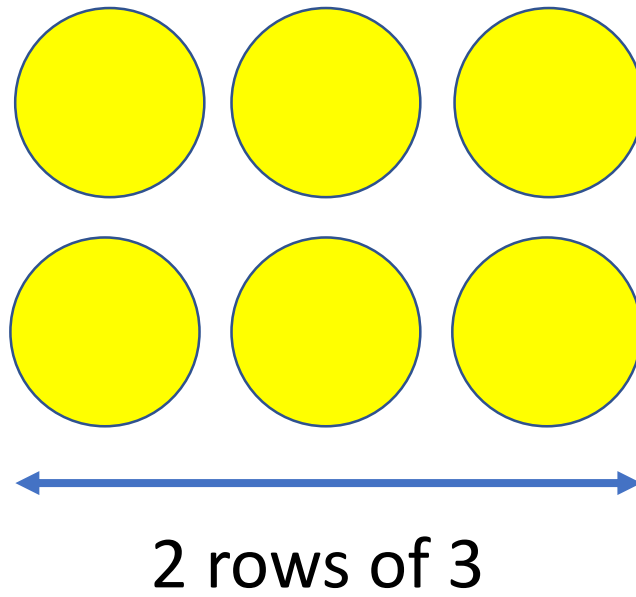


The only
factors of 5 are
1 and 5

5 is a prime number



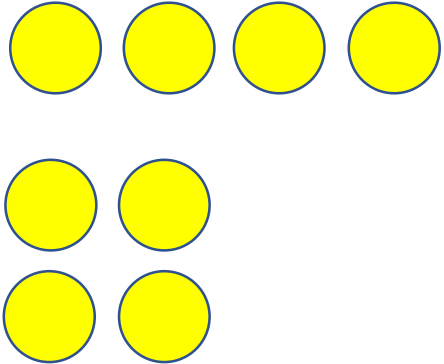
Have a think 



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

Have a think 

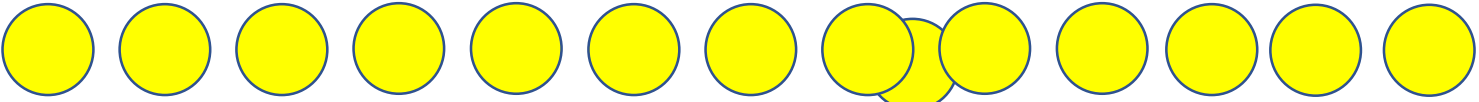
4



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?

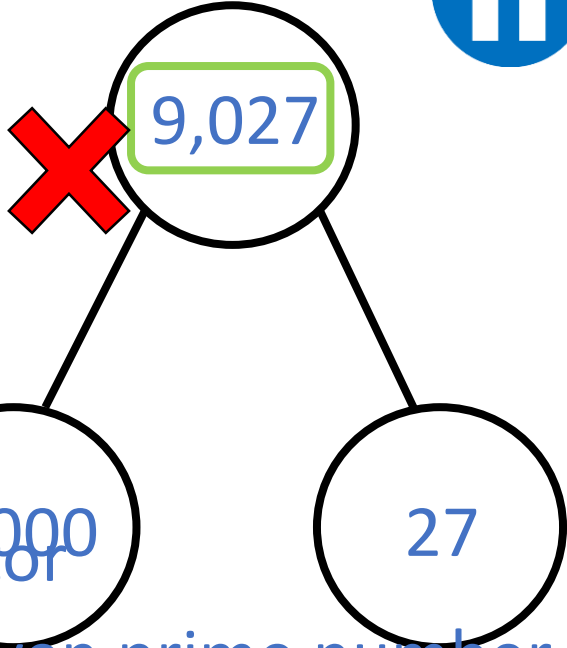
A prime number is a whole number with exactly two factors: 1 and itself.

1,263 

7,314 

8,455 

Have a think 



$1 + 2 + 6 + 3 = 12$

Ends in a 4

12 has 3 as a factor Even number

1,263 has 3 as a factor 1,263 has 5 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

