

PRIMES TO 100



GET READY



- 1) Find all the factors of 32
- 2) Write the first 6 multiples of 6
- 3) Write the first 6 multiples of 4
- 4) Write the first 3 common multiple of 4 and 6

1) Find all the factors of 32

1, 2, 4, 8, 16, 32

2) Write the first 6 multiples of 6

6, 12, 18, 24, 30, 36

3) Write the first 6 multiples of 4

4, 8, 12, 16, 20, 24

4) Write the first 3 common multiple of 4 and 6

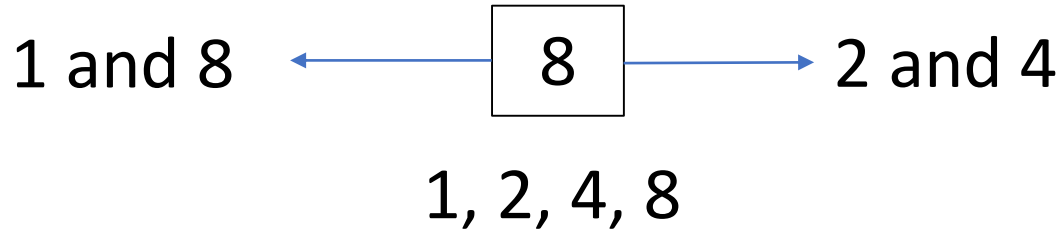
12, 24, 36

LET'S LEARN

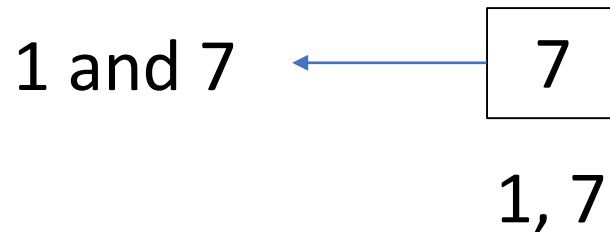


What do you notice?

Find the factors of 8:




Find the factors of 7:

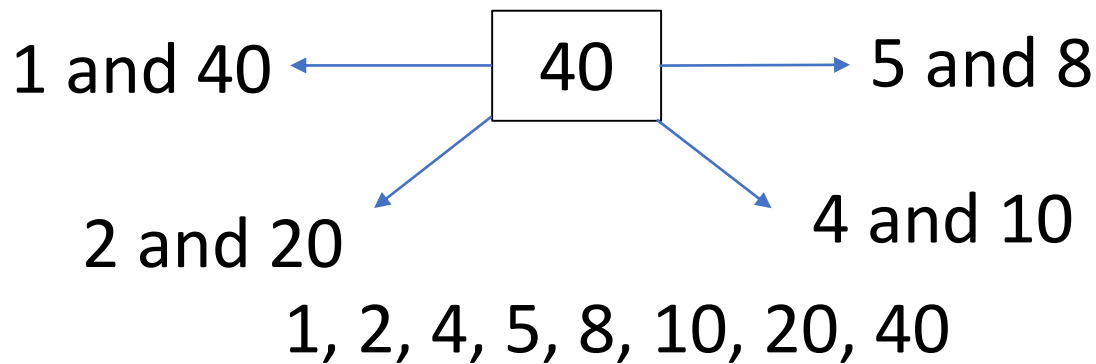
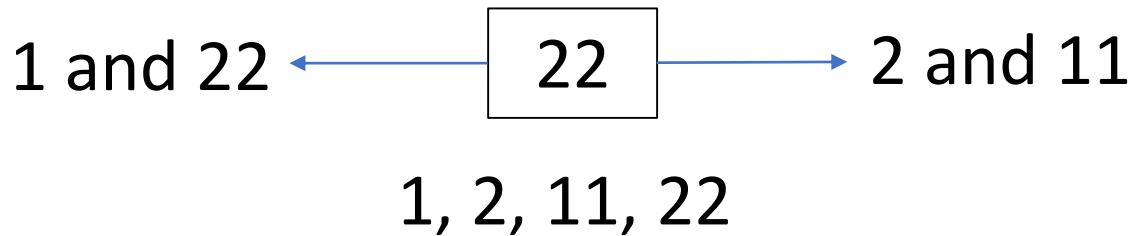
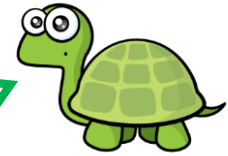


Find the factors of 1:



Have a think 

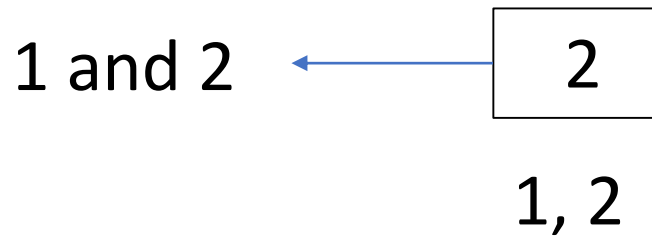
All prime numbers must be odd because all even numbers will also have a factor of 2



Have a think



All prime numbers must be odd because all even numbers will also have a factor of 2



2 is the only even prime number

YOUR TURN

Have a go at questions
1 - 4 on the worksheet

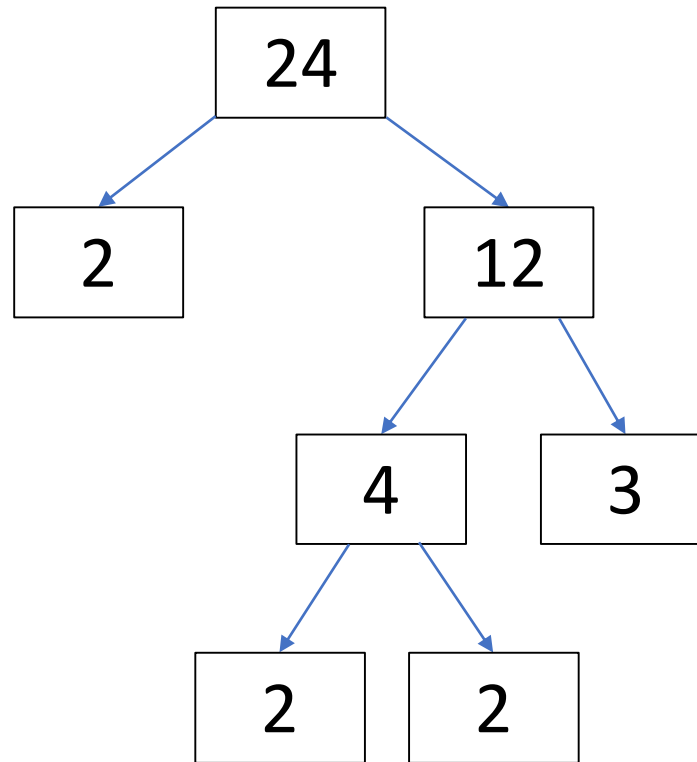


Find all the prime numbers between 1 and 30

×	2	3	×	5	×	7	×	×	×
11	×	13	×	×	×	17	×	19	×
×	×	23	×	×	×	×	×	29	×

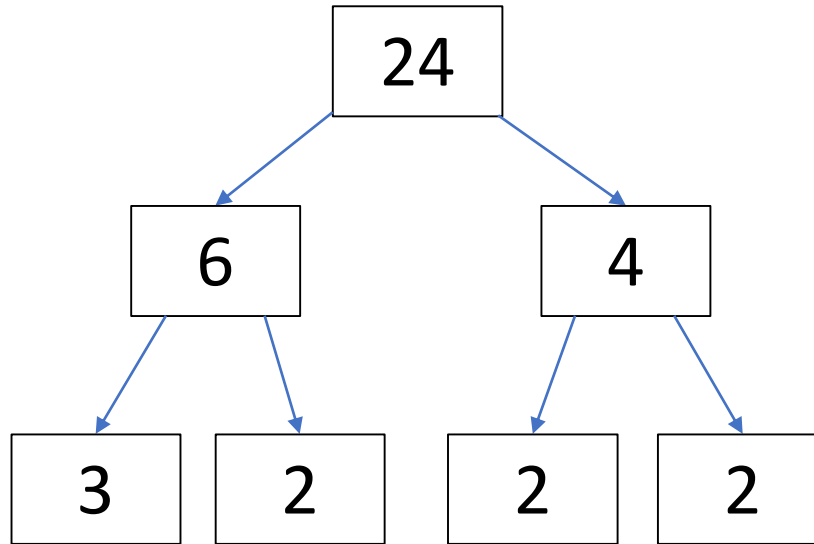
2, 3, 5, 7, 11, 13, 17, 19, 23, 29

Find all the prime factors of 24



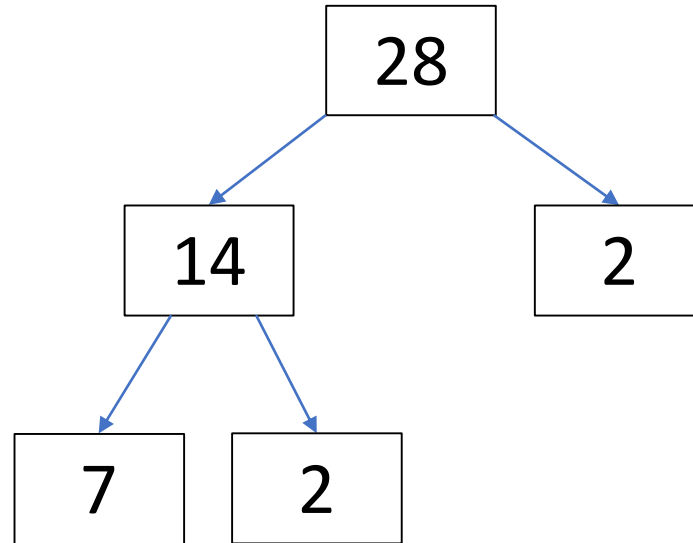
A factor which is also a prime number is called a prime factor

Find all the prime factors of 24




$$3 \times 2 \times 2 \times 2 = 24$$

Find all the prime factors of 28



$$7 \times 2 \times 2 = 28$$

Have a think 



Have a think

$$\text{⚡} + \text{★} = 30$$

×	2	3	×	5	×	7	×	×	×
11	×	13	×	×	×	17	×	19	×
×	×	23	×	×	×	×	×	29	×

$$7 + 23 = 30$$

$$11 + 19 = 30$$

$$13 + 17 = 30$$

⚡ and ★ are both prime numbers

How many different solutions are there?

YOUR TURN

Have a go at the rest of
the worksheet

