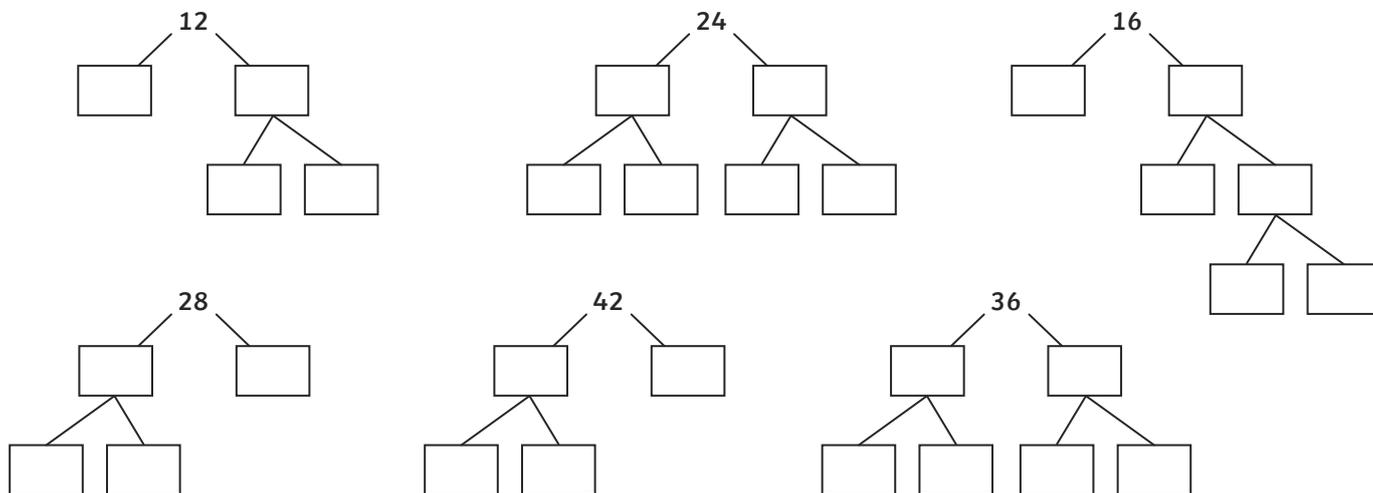




1) Identify all the prime numbers between each pair of numbers.

- a) 1 and 10 _____ d) 20 and 50 _____
 b) 5 and 20 _____ e) 30 and 70 _____
 c) 15 and 45 _____ f) 50 and 90 _____

2) All numbers can be broken down to their prime factors. For each number below, fill in the spaces with their factors until you discover the prime factors.



1) Who do you agree with?
 Explain your reasoning and provide examples.



I think there are more prime numbers between 1 and 50.



I think there are more prime numbers between 50 and 100.

2) Do you agree with Michael's statement?
 Explain your reasoning?



All prime numbers are odd, but not all odd numbers are prime.

3) Arthur sets a challenge for his friend Kenneth.
 Is Kenneth correct? Explain your reasoning.

I am thinking of a number. It is greater than 40. It is less than 60. It is a prime number. The sum of its digits is an even number. How many possibilities are there for what the number could be?



There are two possibilities.

Can you draw lines to add one number to another to make all the primes from 50 to 100?
Record your calculations as you go along.

