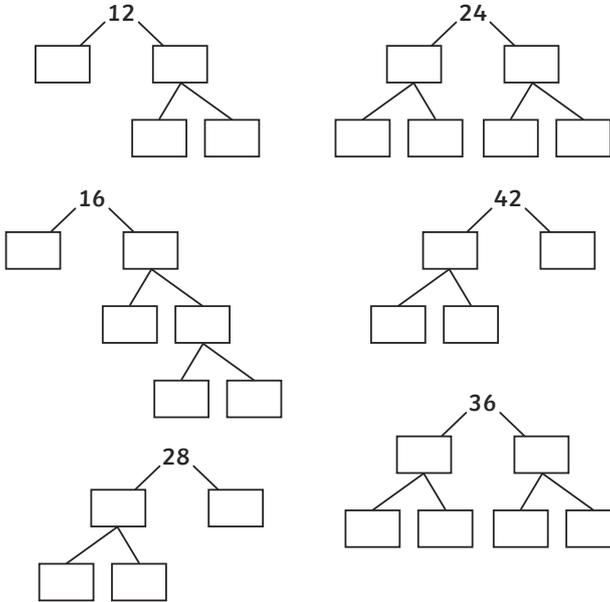


1) Identify all the prime numbers between each pair of numbers.



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



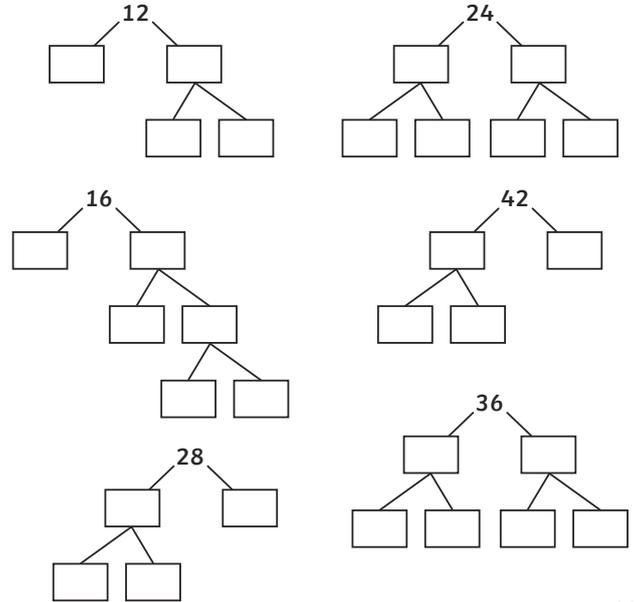
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1) Who do you agree with? Explain your reasoning and provide examples.



**Bethany**

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

**Sienna**

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

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

**Michael**

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.

**Arthur**

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?

**Kenneth**

There are two possibilities.

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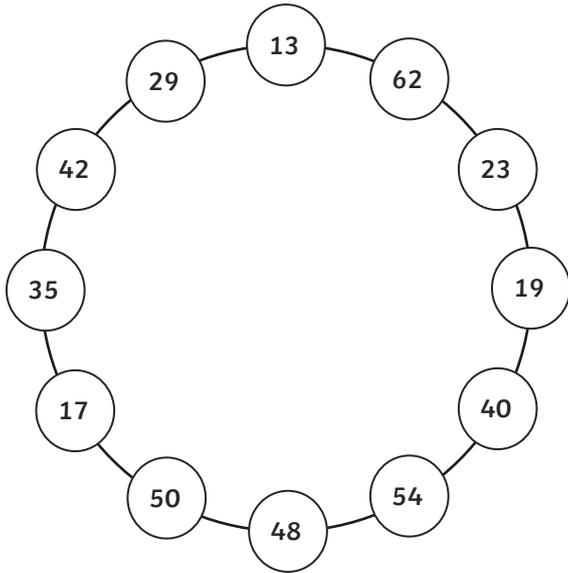
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Can you draw lines to add one number to another to make all the primes from 50 to 100? Record your calculations as you go along.



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