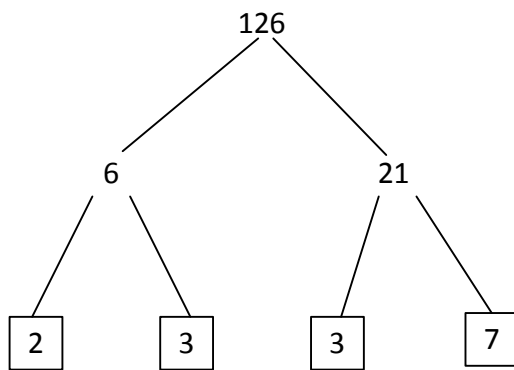


Find the prime factors of 126.



Here the answer is:

$$2 \times 3^2 \times 7 = 126$$

Find the prime factors of the following numbers:

248

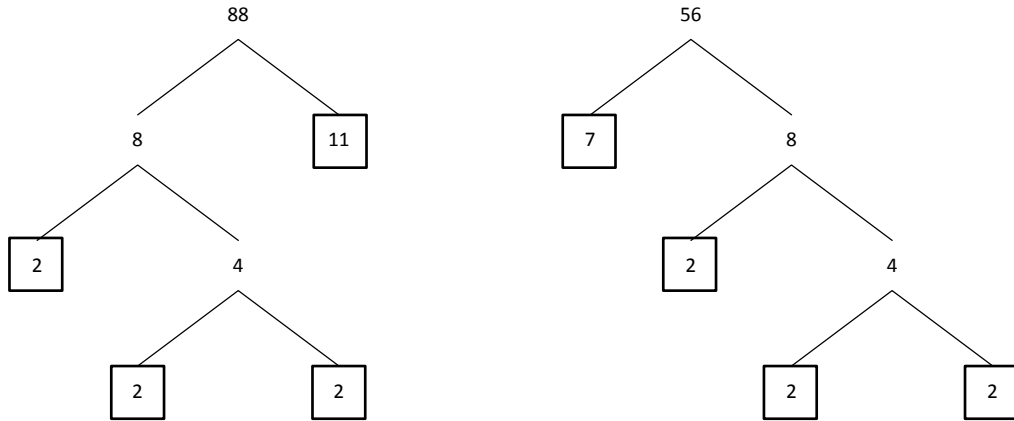
99

512

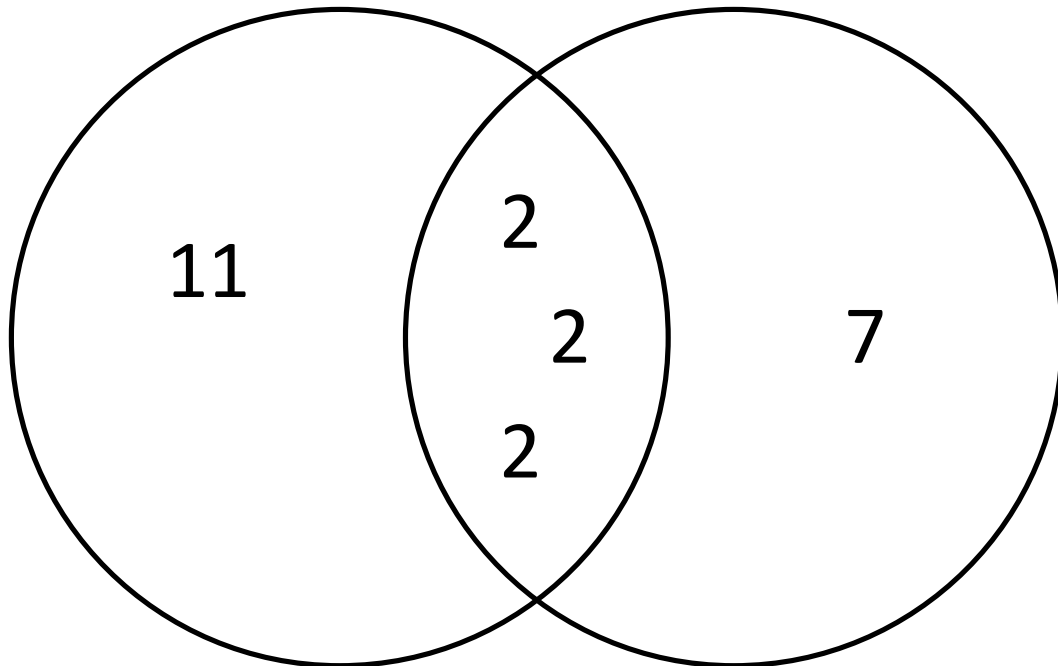
68

Find the highest common factor and the lowest common denominator of 88 and 56:

The first thing to do is to find their prime factors.



Then we draw a Venn diagram and put the prime factors, boxed above, into it. Where the numbers have the same prime factors, we put one version of each of these in the central section (where the overlap is).



The highest common factor or $HCF(56,88) = 2 \times 2 \times 2 = 8$;

the lowest common multiple or $LCM(56,88) = 2 \times 2 \times 2 \times 7 \times 11 = 616$.

Find the HCF (30, 78) and the LCM (30,78):

Find the HCF (28, 91) and the LCM (28,91):