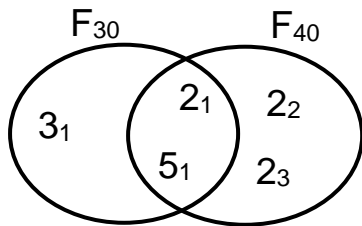## Activity thirty-four

1. Find the square of 16
2. Given that 　　　　A = {a set of prime numbers less than 10}
　　　　　　　　　　　B = {a set of composite numbers less than 10}, find:
　　　　　　I) Find A ∩ B 　　　　　　　　　　　　II) Find A ∪ B
3. Prime Factorise the following numbers:
　　　I) 24 　　　　　　　II) 49 　　　　　　　III) 120 　　　　　　IV) 360
4. Use the Venn diagram below to find:

I) F ∩ F

II) LCM of $\overset{30}{30}$ and $\overset{40}{40}$

III) GCF of 30 and 40

5. Find the square root of 144.
6. A square garden has a length of 15m. what is its area?
7. Find the number which gives the prime factorization of:
　　　I) 2_1 x 2_2 x 3_1 x 5_1
　　　II) 3^2 x 5^1 x 7^1
8. Draw Venn diagrams and show the prime factors of:
　　　I) 36 and 48
　　　II) 15 and 24
9. Represent 2^2 x 5^1 and 2^1 x 5^2 x 7 on a Venn diagram. Use the Venn diagram to find:
　　　I) GCF
　　　II) LCM
10. Find the sum of the first 10 counting numbers.
11. Write down all odd composite numbers less than 20.
12. Find the next two numbers in each of the following:
　　　I) 2 4 6 ___ ___
　　　II) 5, 10, 15, 20, ___, ___
　　　III) 1, 4, 9, 16, ___, ___
　　　IV) 1, 3, 6, 10, 15, ___, ___
　　　V) 4, 6, 8, 9, 10, ___, ___
13. What is the sum of the 2nd and 5th prime numbers?
14. How many composite numbers are between 40 and 50?
15. Work out the following:
　　　I) $\sqrt{81}$
　　　II) $\sqrt{100}$
　　　III) $\sqrt{196}$
　　　IV) $\sqrt{2.25}$
　　　V) $\sqrt{16}$

VI) $\dfrac{\sqrt{25}}{\sqrt{36}}$

VII) $\dfrac{\sqrt{49}}{\sqrt{81}}$