

Patterns

Exercises

September 5, 2016

Introduction

For each of the following patterns, fill in the next value. For example the next number for the pattern $1, 3, 5, 7, 9, \dots$ would be **11**.

1. $3, 6, 9, 12, 15, \dots$
2. $2, 5, 8, 11, \dots$
3. $4, 9, 14, 19, 24, 29, \dots$
4. $10, 8, 6, 4, 2, 0, -2, \dots$
5. $1, 2, 4, 7, 11, 16, 22, \dots$
6. $1, 2, 3, 5, 8, 13, 21, 34, \dots$
7. $1, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, \dots$
8. $1, 4, 9, 16, 25, 36, \dots$
9. $3, 6, 12, 19, 28, 39, \dots$
10. $0, 3, 8, 15, 24, 35, \dots$

Make up examples of patterns of numbers of your own.