



Exploring with numeric patterns

CAPS Statement

Patterns, functions and algebra

Numeric patterns:

Investigate and extend numeric patterns looking for relationships or rules of patterns: sequencing involving constant difference or ratio of learner's own creation

Note

- Extend number patterns.
- Determine rules for number sentences.
- Use flow diagrams to determine rules and patterns.

Activity 1

Help Themba determine the rule for the following number patterns. The first one has been done for you.

- (a) 100, 105, 110, 115, 120, 125, 130, 135, 140, 145
- (b) 16, 20, _____, _____, _____, _____, _____, 52
- (c) 225, _____, 219, _____, _____, _____, _____, 207, _____, _____
- (d) 12, _____, _____, _____, _____, _____, _____, _____, _____, 22
- (e) 15, _____, _____, _____, 27, _____, _____, _____, _____, _____, _____
- (f) 30, _____, 33, 38, _____, 41, _____, 44, _____, _____, _____, _____

Activity 2

Create your own patterns using the given numbers.

- (a) 1, 7, 14, _____, _____, _____, 42, _____, _____, _____
- (b) 98, 100, 95, _____, _____, _____, _____, 89
- (c) 103, _____, _____, _____, _____, _____, _____, 124

Teacher Tip

Teachers can do many things in the classroom to show patterns to learners. Play with mathematics operations so that they know the difference between division, addition, subtraction and multiplication.

