2036 PENANG SANGAM PRIMARY SCHOOL
YEAR 5
MATHEMATICS
WORKSHEET – 5
SOLUTION

STRAND	ALGEBRA
SUB STRAND	Number Patterns
CONTENT LEARNING OUTCOME:	Identify patterns in a series of given numbers.

LESSON NOTES

Number Patterns - a list of numbers that follow a certain pattern or sequence.

Series or Sequence – a set of things that are in order.

Sequences:

4, 6, 8, 10… the three dots mean it goes on forever.

(Infinite)

1st term 2nd term 3rd term 4th term

(Term, element or member means the same thing). Therefore the sequence above has a ***plus two (+2) pattern.*** You have to add two (+2) to the first term to get the next one and so on, for example, 4+2 6+ 2 8+ 2 10 and so on.

ACTIVITIES

1. Identify and write down the pattern.

a) {3, 7, 11, 15…}

The sequence above has a plus four (+4) patterns.

(b.) {5, 11, 17, 23…}

The sequence above has a plus six (+6) patterns.

(c.) {10, 20, 30, 40…}

The sequence above has a plus ten (+10) patterns.

(d.) {2, 20, 38, 56…}

The sequence above has a plus eighteen (+18) patterns.

2. Identify the patterns and write the next three elements.

(a.) {6, 13, 20, 27,**34,41,48,** … } (+7 patterns)
(b.) {46, 58, 70, 82,**94,106,118**, … } (+12 patterns)
(c.) {3, 18, 33, 48,**63,78,93,** … } (+15 patterns)
(d.) {3, 12, 21, 30,**39,48, 57**, … } (+9 patterns)
(e.) {8, 13, 18, 23,**28,33,38**, … } (+5 patterns)