



education

Department:
Education
PROVINCE OF KWAZULU-NATAL

**Grades 4 to 7 Just-in-Time
Training Workshop
2019: No.3
PRE/POST WORKSHOP
ACTIVITY
MEMO**

TOTAL: 15 marks

TIME: 20 minutes

NAME: _____

SCHOOL: _____

Grades I am teaching maths to this year: _____

Answer in the spaces provided

QUESTION 1: NUMBER PATTERNS

(5 marks)

a) Write down the next three numbers in the sequence 3; 7; 11; 15; 19; ... (3)
23; 27; 31

b) Explain how the sequence is formed (1)
4 is added to the term before to give the next term

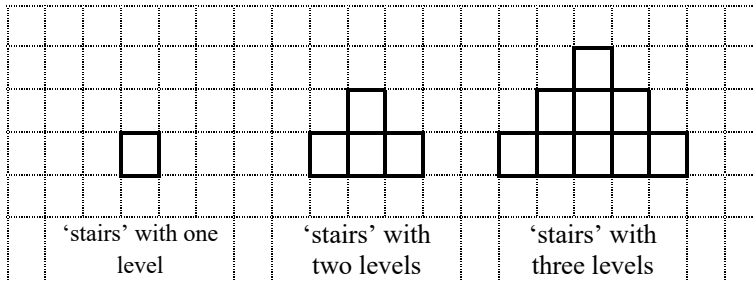
c) Find the 12th number in the sequence. Show your working out. (2)
9th number is 37; 10th number is 41; 11th number is 44 and 12th number is 48

QUESTION 2: GEOMETRIC PATTERNS

(6 marks)

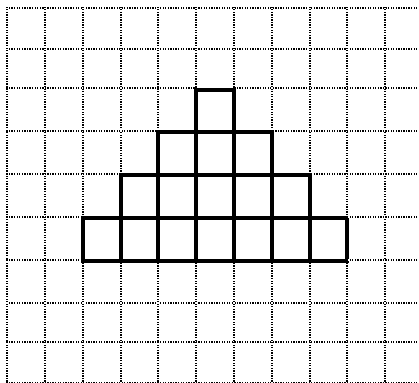
A child is building sets of ‘stairs’ with some blocks.

The diagram shows the view of the ‘stairs’ that the child has built for 1, 2 and 3 levels.



a) Draw the ‘stairs’ with 4 levels on the squared paper below.

(2)



b) Complete the table:

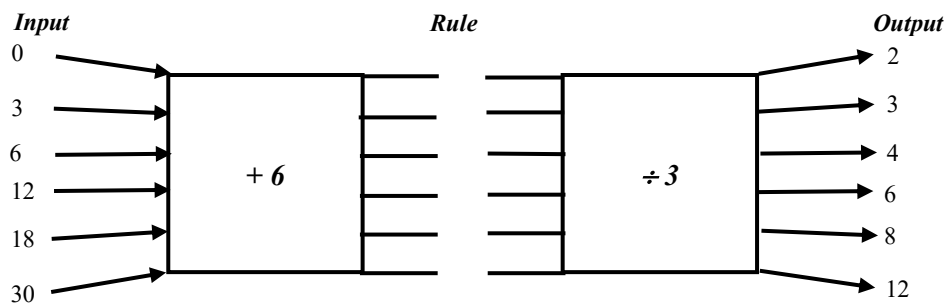
(4)

Number of levels	Number of blocks
1	1
2	4
3	9 ✓
4	16 ✓
5	25 ✓
6	36 ✓

QUESTION 3: FLOW DIAGRAMS

(4 marks)

Complete the following flow diagram



- ✓✓ for getting the first number correct
- ✓✓ for getting the second number correct