GRADE 6 SUMMATIVE – May 2014

Answer all questions and show full process please
  Calculators are allowed but NOT for the 'Number Sense' section please.
You are advised to spend about 15 minutes on each section.

NUMBER SENSE AND NUMERATION

1) Evaluate : I) 4^2 ii) $3 + 4 \times 2$ iii) $6/7 - 2/3$ iv) $4 \times 6/7$

2) Convert to a percentage : 4/5

4) Simplify the ratios : a) 18 : 4   b) 16 : 10

PATTERNS AND ALGEBRA

1) Find the next two terms :

  i) 7 , 11, 15......................

ii) 8, 3, -2. ,.. ….........

2) Solve the equations : I) $x - 3 = 19$ ii) $x + 5 = 15$

GEOMETRY AND SPATIAL SENSE

1) I) On Squared paper plot the points A (1, 3) B(-1, 2) C (- 4, - 4) on a grid.

2) Plot the triangle with points (1,1) (3,1) and (3,3) . Rotate it 90 degrees

3) If a triangle has inside angles 50 and 30 degrees, how large is the third angle ?

MEASUREMENT

2) What is the i) area and ii) perimeter of a rectangle that has length 5cm and width 4cm ?

3) What is 1,600 metres in kilometres ?

4) What is 4600 ml in litres?

PROBABILITY AND DATA MANAGEMENT

1)   1, 1 , 2, 2, 4, 7 , 9 , 12, 16,

For the above data find the *mean, median, and mode.*

2) What is the *probability* of throwing a dice and getting a six ?

3) If a bag has 4 blue counters, 6 green, and 5 blue, what is the probability of pulling out a counter that is NOT green ?

END