

Grade 8 Control Test**Examiner** : Miss Goldstone

17 March 2014

Moderators: Mrs Smidt, Mrs Campher and Miss Goring

Time : 1H

Marks: 50

InstructionsAnswer **ALL** the questionsShow **ALL** your working out.

Write neatly and legibly.

QUESTION 1:

- 1.1 Find the factors of 24. (4)
- 1.2 List the first 5 multiples of 8 and 12. (5)
- 1.3 Find the prime factors of 108 by factorization : Use the ladder method. (3)
- 1.4 Find the HCF of 48 and 72. (3)
- 1.5 Find the LCM of 45, 60 and 90. (4)

QUESTION 2:

- 2.1 Calculate $284 + 152 + 127$ using the column method. (2)
- 2.2 Calculate 2461×402 using the column method. (2)

QUESTION 3:

- 3.1 Simplify:
8 : 36 (1)
- 3.2 Siphon and his brother have to divide R24 in the ratio 3:5. How much will each of them
Get? (2)
- 3.3 Calculate the price of a toy car which costs R150 if the price is increased in the ratio
4 : 3. (2)
- 3.4 Decrease 24 in the ratio 2 : 3 (2)
- 3.5 If 5 cakes cost R190. How much will each cake cost? (2)
- 3.6 If Lance uses 40l of petrol to drive 450km. How much litres of petrol will he use to
drive 2km? (3)

