(2)

(2)

(2)

(3)

Grade 8 Control Test Examiner: Miss Goldstone 17 March 2014 Moderators: Mrs Smidt, Mrs Campher and Miss Goring Time: 1H Marks: 50 Instructions Answer ALL the questions Show ALL your working out. Write neatly and legibly. The root of septem and the five allowed 2, and hand at world at year A. C. A. QUESTION 1: 4 blos ymax 2 [A steep amade cody lies a bas 0.3.4 kery sold 4.7.5] 1.1 Find the factors of 24. We subsed the work and 2 arms do and a list at lane and (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: I draw zadioja vudga prote gardiola a la maggas 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 Simpilfy: 8: 36 way = manufactured and a sum of some (1) 3.2 Sipho and his brother have to divide R24 in the ratio 3:5. How much will each of them (2)3.3 Calculate the price of a toy car which costs R150 if the price is increased in the ratio

4:3.

drive 2km?

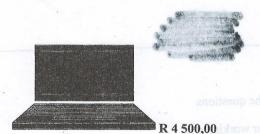
3.4 Decrease 24 in the ratio 2:3

3.5 If 5 cakes cost R190. How much will each cake cost?

3.6 If Lance uses 40l of petrol to drive 450km. How much litres of petrol will he use to

QUESTION 4:

4.1.Calculate the cost of the following item below if there was a 35% discount on the cash price. (3)



4.2 Kerry's hobby is beading. She sells what she makes to cover costs. A necklace costs 50 R50, a bracelet R30 and a cell phone charm costs R15. Kerry sold 4 necklaces, 6 bracelets and 16 cell phone charms. She bought beading supplies for R525.

4.2.1 Calculate the income from the sales of jewellery. The sales of jewellery

4.2.2 Did Kerry make a profit or a loss? What was the amount?

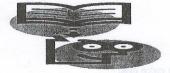
4.3 Mrs Davids opens an account at a clothing store to buy clothes worth R1800. To settle the account she has to pay a minimum of R150 per month. The shop adds 15% per annum interest to the initial amount owing.

4.3.1 How much interest will Mrs Davids have to pay? (2)

Use the formula:

Amount of interest = loaned amount \times rate \times time OR Simple interest = $p \times i \times n$

- 4.3.2 How much will Mrs Davids pay in total for the clothing after the interest is added? (2)
- 4.3.3 How much will Mrs Davids pay per month in order to pay the account off in one year? (3)



ALL THE BEST!

TOTAL: 50

30

30

240

(NOVM)

525