**GAUTENG DEPARTMENT OF EDUCATION**

****

MATHEMATICS

**GRADE 7**

**TERM 1: ASSIGNMENT MEMO**

**2017**

**TOTAL MARKS: 50 DURATION: 1 HOUR**

|  |  |  |
| --- | --- | --- |
| Question No | Total Mark | Learner’s Mark |
| 1 | 8 |  |
| 2 | 9 |  |
| 3 | 16 |  |
| 4 | 17 |  |
| **Total** | **50** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME AND SURNAME OF LEARNER** |  | **GRADE 7** |  |

**Instructions:**

No Calculators allowed

The following assignment is to be done during your Mathematics periods failure to complete will result in marks being deducted!

Work consistently and do not waste time.

Show all working out.

[](https://clipartfest.com/categories/view/e31514c4d82808da15004a83dbc95178306c5003/elementary-math-clipart.html)Marks will be deducted for untidy work!

**Question 1**

List the prime factors of the following numbers in descending order.

1.1.1 12

3 X 2 X2 (2)

1.1.2 132

11X 3 X 2 X 2 2)

1.2 You have three numbers: 14, 35 and 70

1.2.1 Find their Lowest Common Mulitiple (LCM)

14 – ( 14 , 28 , 42 , 56 , 70 )

35 – ( 35 , 70 )

70 – ( 70 )

LCM = 70

(2)

1.2.2 Find their Highest Common Factor (HCF)

14 – ( 1, 2 ,7 )

35 – ( 1 , 5 , 7 , 35 )

70 – ( 1, 2 , 5 , 7 , 10 , 14 , 35 , 70 )

HCF = 7 (2)

**[8]**

**Question 2**

Calculate the values below:

2.1 75 250 335 50 569 542

75 250 335

50 569 542 (2)

125819877

2.2 675 725 194 613

675 725

194 613 (2)

481 112

2.3 72 2153

155016 (2)

2.5 6120 45

2.6 (62 899 49 000) 0

0 (1)  **[9]**

**Question 3**

Use the following code to work out the message below.

A: 1; E: 5 I: 9 M: 13 Q: 17 U: 21 Y: 25

B: 2; F: 6 J: 10 N: 14 R: 18 V: 22 Z: 26

C: 3 G: 7 K: 11 O: 15 S: 19 W: 23

D: 4 H: 8 L: 12 P: 16 T: 20 X: 24

3.1

12

5

1

18

14

LEARN (5)

3.2 (52-

20

15

TO (2)

3.3 ; ( )3; (

12

15

22

5 LOVE (3)

3.4 (10 ;

13

1

20

8

19

MATHS (5)

**[16]**

**Question 4**

Solve the following problems:

4.1 Hammaad saves R500 and Eesa saves R824. Express Eesa’s savings as a ratio of Hammaad’s savings and then simplify it.

500: 824

125: 206 (3)

4.2 Uwais takes flowers to his aunt who is in hospital. He drives 120km from his home to the hospital at an average speed of 60km/h. How long will it take him to reach the hospital?

S = D T

= 60 120

= 0,5 H / 30 MINUTES (3)

4.3 Zaakirah buys a laptop as a birthday present for her brother. The original price is R4500 but she receives a 15% discount. How much does she pay for the laptop?

= 675

4500 – 675

R3825 (3)

4.4 Ammaar buys a car for R60 000. He takes out a loan from the bank and has to pay 8% interest over a period of 5 years. What was the total amount he paid back?

= 24 000

24 000 +60 000

R84 000 (5)

4.5 A trader bought a screwdriver set for R90. He added 20% to the cost price as a profit. Calculate the amount a customer will pay for the screwdriver set.

[](http://www.google.co.za/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.india-forums.com/forum_posts.asp?TID=3485029&ei=4TLJVMKoLsf_Ur_rg_AI&psig=AFQjCNFEEzzIUdfUZxhq-uSGeHa91-RN9A&ust=1422558217087896)= 18

90 + 18

R108 (3)

**[17]**