



ADM .....

NAME .....

CLASS .....

DATE .....

SCHOOL .....

SCORE ...../ **29** .....

TEACHER'S COMMENT

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.....

**INSTRUCTIONS:** Answer all the questions given below and clearly show your workings

1. What is the place value and total value of 5 in:

a. 453: .....PV.....TV.....

b. 705: ..... PV ..... TV .....

c. 570: ..... PV ..... TV .....

d. 5 160: ..... PV ..... TV .....

e. 75 326: ..... PV ..... TV .....

f. 2 753 689 004: ... PV ..... TV .....

[KEY: PV-PLACE VALUE TV- TOTAL VALUE] [6 marks]

2. Write down the following numbers in figures and state the number of digits in each case.
- a. Two hundred and five thousand and four.
  
  
  
  
  
  
  
  
  
  
  - b. Nine hundred thirty one thousand, seven hundred and thirty one
  
  
  
  
  
  
  
  
  
  
  - c. Thirty one million, thirty one thousand and thirty one
  
  
  
  
  
  
  
  
  
  
  - d. Eight billion, thirty one million, five hundred and three thousand, seven hundred and three

**[4 marks]**

3. Study the range of numbers between 20-40 and use it to answer the following questions
- a. List all prime numbers in this range

b. List all even numbers in this range

c. List all odd numbers in this range

**[3 marks]**

4. Evaluate:

a.  $8\,624\,924 + 62\,569 + 794 + 244\,527$  **[1 mark]**

b.  $4\,008\,001 - 1\,295\,039$  **[1 mark]**

c.  $12\,374 \times 365$  **[1 mark]**

d.  $27\,234 \div 89$  **[1 mark]**

5. Consider the number **24 192** and use it to answer the following questions

a. Find all its prime factors [**2 MKS**]

ii. 2 [**1 MK**]

iii. 3 [**1 MK**]

iv. 4 [**1 MK**]

v. 5 [**1 MK**]

vi. 6 [**1 MK**]

b. Write the prime factors (a) above in power form [**1 MK**]

vii. 8 [**1 MK**]

c. Multiply the number by 15 and find out if the result is divisible by [2,3,4,5,6,8,9,11]:

viii. 9 [**1 MK**]

i. Multiplication [**1 MK**]

ix. 11 [**1 MK**]