

# MATHEMATICS

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Pages: 8

Parent's signature: \_\_\_\_\_

Time: 60 minutes

Examinator: Mrs. L Prinsloo

Marks: 50

Moderator: Mrs. M Stapelberg

## INSTRUCTIONS:

- Read all the questions slowly and twice before answering.
- Answer ALL the questions on the test.
- All of your calculations must be done on the test. You can not use extra paper.
- Write neatly.
- You are not allowed to use a calculator.

## ANALYSIS (for the teacher's use)

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Topic	Multiple Choice Questions	Expanded notation	Number in words	Calculations	Number Sentence	Flow diagram	2D Shapes	Angles	Rectangles and similar quadrilaterals	Time	Calculating time	Problem Solving (Addition & Subtraction)	Problem Solving (Fractions)	Problem Solving (Fractions)	Reading a bar graph	<b>Total</b>
Mark	<b>10</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>50</b>
Mark achieved																
Moderator																

**SECTION A [10]**

**MULTIPLE CHOICE QUESTIONS**

Draw a circle around the correct letter/answer. Example: (b)

- 1.1. What is the value of the underlined digit. 261 872 (1)
- a. Units
  - b. 6 000
  - c. 6 TTh
  - d. six hundred thousand
- 1.2. How many hours are there in  $2\frac{1}{2}$  days? (1)
- a. 60 hours
  - b. 48 hours
  - c. 24 hours
  - d. 36 hours
- 1.3.  $20 - 4(2 \times 2) = 2 \times \underline{\hspace{2cm}}$  (1)
- a. 3
  - b. 2
  - c. 5
  - d. 4
- 1.4. Which number is the biggest? (1)
- a. 891 996
  - b. 899 976
  - c. 899 796
  - d. 891 999
- 1.5. 297 521 rounded off to the nearest 1 000 is? (1)
- a. 297 500
  - b. 297 000
  - c. 300 000
  - d. 298 000

1.6. Calculate:  $\frac{4}{9} + \frac{5}{9} + \frac{2}{9}$  (1)

a.  $1\frac{5}{9}$

b.  $\frac{7}{9}$

c.  $1\frac{2}{9}$

d.  $\frac{8}{9}$

1.7. Which option describes the 2D shape the best? (1)



- a. The shape has 4 sides and is called a rectangle.
- b. The shape has 4 sides and 4 right angles.
- c. The shape has 4 straight sides and all the sides are equal in length.
- d. The shape has 4 sides and 4 angles. 2 acute angles and 2 obtuse angles.

1.8. Which of the following numeric patterns fit the rule? (1)

**Multiply with 2 and add 2**

- a. 5 ; 12 ; 26 ; 54 ; 110
- b. 2 ; 8 ; 26 ; 80 ; 242
- c. 5 ; 10 ; 20 ; 40 ; 80
- d. 2 ; 6 ; 18 ; 54 ; 162

1.9. Letho's mom had to pick him up at school at 14:30 but she was busy cleaning the house. When she looked at the clock on the wall she realised she is very late. How many minutes/hours were she late to pick him up? (1)

- a. 1 hour 20 minutes
- b. 50 minutes
- c. 20 minutes
- d. 1 hour 50 minutes



1.10. What is the difference between 300 000 and 244? (1)

- a. 300 756
- b. 299 866
- c. 300 244
- d. 299 756

**SECTION B [40]**

**CALCULATIONS AND PROBLEM SOLVING**

2. Write 803 920 in expanded notation. (1)

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3. Write the following number in words. (1)

492 711

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4. Calculate questions 4.1 to 4.4 using **any method**.

- 4.1.  $985\,397 + 61\,765$  (2)

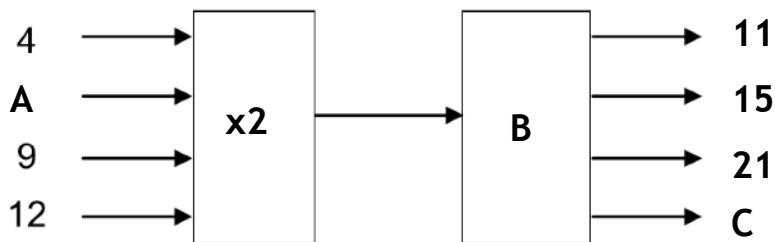
- 4.2.  $634\,806 - 191\,027$  (2)

4.3.  $4\frac{2}{9} - 2\frac{7}{9}$  (3)

4.4.  $\frac{2}{7}$  of R49 (2)

5.  $(10 \times 3) + 5 \times 2 = \underline{\hspace{2cm}}$  (1)

6. Find the value of A , B and C. (3)

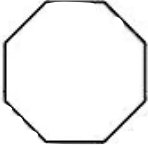


A.                     

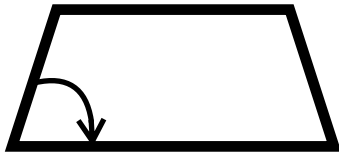
B.                     

C.

7. Look at the following 2D shapes and complete the table. (4)

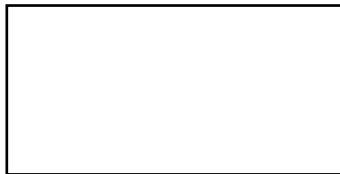
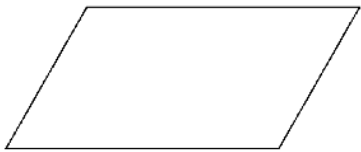
Picture of the shape		
Name of the shape		Hexagon
Amount of sides		

8. Identify the angle indicated below? (1)




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9. Look at the following shapes below and describe how they are the same and different. (2)

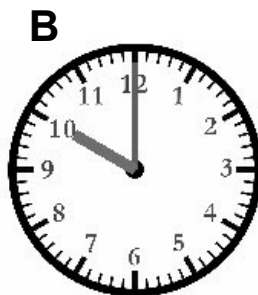
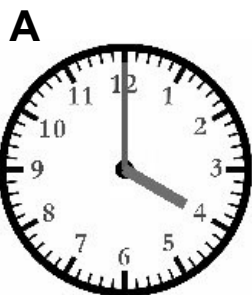



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10. Look at the clocks below and answer the questions.



- 10.1. Write the time on **clock C** in **12-hour time**. (1)

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10.2. How much time has passed between clock A and B? (1)

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10.3. Write the time on **Clock A** in **24-hour time**. (Time of day - p.m.) (1)

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11.1. Many airlines make you purchase your ticket 14 days before the flight. If Asiphe wants to fly April 10th, when should he purchase his ticket? (1)

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**March 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

11.2. His flight will depart at 06:55. The flight lasts 1 hour and 35 minutes.  
When will his flight land? (1)

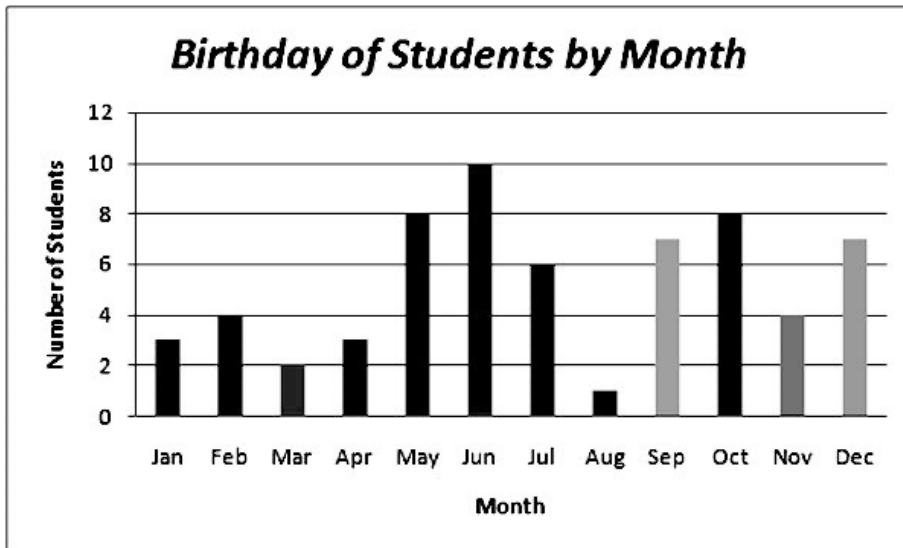
12. Phiwa and 2 friends went fishing. At the end of the day they weighed their catches. His first friend caught 598kg of fish. His second friend caught 482kg of fish. Altogether they caught 1 337kg of fish. How many kilograms of fish did Phiwa catch himself? (3)

13. Martha spent  $\frac{2}{3}$  of her allowance on food and shopping. If her allowance is R990 per month. How much does she have left? (2)

14.  $\frac{3}{5}$  of a group of children were girls. If there were 24 girls, how many children were there in the group? (3)



15. Look at the following bar graph and answer the questions below.. (3)



- 15.1. During which month do the least amount of students celebrate their birthday? (1)
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- 15.2. What is the difference between the amount of birthdays in May and February? (2)
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- 15.3. How many students are there in this grade? (2)
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**TOTAL = 50**