



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

CAPRICORN NORTH DISTRICT

MATHEMATICS GRADE 6

TERM 2

TEST

MAY/JUNE 2024

NAME AND SURNAME	
SCHOOL	
CLASS	
DATE	
MARKS	50
DURATION	1, 5 HRS

INSTRUCTIONS

1. Read all instructions carefully.
2. Show all the necessary working details
3. Clearly show all your calculations, diagrams and graphs that have been used in determining your answers.
4. This question paper is also your answer sheet. Fill in your details as indicated above and answer questions on spaces provided
5. Write neatly and legibly

QUESTION 1

Circle the letter of the correct answer .

- 1.1 What is the missing term in the following numeric pattern? (1)
11;15;19; ____, 27; 31;35
A. 22
B. 24
C. 23
D. 25
- 1.2 What is $300\,000\,000 + 400\,000 + 20\,000 + 5\,000 + 10 + 1$ (1)
A. 300 425 110
B. 300 425 011
C. 400 325 101
D. 340 245 110
- 1.3 762 912 967 rounded off to the nearest hundred is (1)
A. 762 913 000
B. 762 912 000
C. 762 912 900
D. 762 912 970
- 1.4. Which number is not a factor of 18 (1)
A. 5
B. 3
C. 6
D. 9
- 1.5 What is the place value of the underlined digit in 0,154 (1)
A. Tens
B. Units
C. Hundreds
D. Hundredths
- 1.6 Which one is equivalent to $\frac{1}{5}$? (1)
A. 0,5
B. 1,5
C. 0,2
D. 5,1

- 1.7. It is a prime number between 40 and 60 (1)
- A. 50
- B. 49
- C. 45
- D. 43

[7]

QUESTION 2 (Whole numbers)

Use any method to calculate the following:

- 2.1 $461\,233 + 709\,586$ (2)
- 2.2 $802\,347 - 380\,443$ (2)
- 2.3 $3\,805 \times 831$ (4)
- 2.4 $8\,750 \div 250$ (Use long division method) (3)

2.5

$$15 + (4 + 6) \times 10$$

(2)

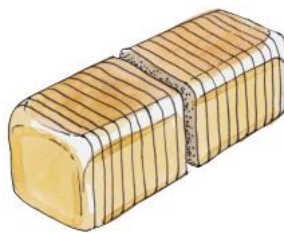
[13]

QUESTION 3 (Common fractions and decimal fractions)

3.1

Look at the picture of a loaf of bread below. It is divided into two equal parts. Write the one part as a common fraction, decimal fraction and also as percentage.

(3)



Common Fraction: _____

Decimal Fraction: _____

Percentage: _____

3.2

Replace the by the denominator to make the two fractions equivalent fractions.

(1)

$$\frac{9}{27} = \frac{1}{\text{input type="text"}}$$

3.3

Calculate the following:

3.3.1 $\frac{2}{5}$ of 20 Apples.

(2)

3.3.2 $4\frac{6}{7} - 1\frac{2}{7}$

(2)

3.3.3 $\frac{4}{5} + \frac{3}{10}$

(3)

3.3.4 $2,5 + 0,6$

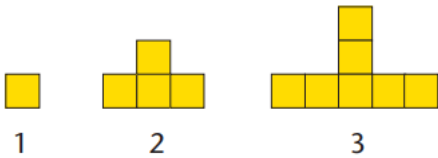
(2)

[13]

QUESTION 4

Study the following patterns and answer the questions that follows

4.1



4.1.1 Draw pattern 4

(2)

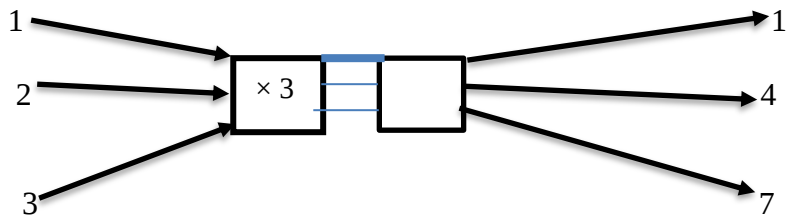
4.1.2

(1)

How does the pattern grow?

.....

4.1.3 Complete the missing part of the rule in the flow diagram (1)



4.2 Write the next term in the pattern below. (1)

60,110,160; ____.

4.3 A taxi can transport 15 passengers. One passenger gets on at the first bus stop, 2 passengers at the second, 3 passengers at the third etc. (3)

Complete the table below to show the number of passengers in the taxi at each stop.

4.3.1

Stop number	1	2	3	4	5
Number of passengers inside	1	3	6		

4.3.2 After how many bus stops will the taxi be full? _____

[8]

QUESTION 5

Solve the following word problems and show your steps

5.1

Jessie earns a quarter ($\frac{1}{4}$) of what her brother earns per day. Her brother earns R3 000 per day. How much does Jessie earn in a day? (2)

5.2

The ratio of boys to girls in a Grade 6 class at your school is 3:5. If there are 40 learners how many of them are girls.

5.3

A shop keeper ordered 880 cans of cool drink. If each box can take 8 cans of cool drink. How many boxes are needed? (2)

5.4

A second-hand car costs R47 500 less than the new one. If the new one costs R99 999, how much does the second-hand cost? (3)

TOTAL MARKS**[9]
[50]**