



education

Department:
Education
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

PROVINCIAL ASSESSMENT

GRADE 6

MATHEMATICS

JUNE 2024

MARKS: 50

TIME : $1\frac{1}{2}$ hours

NAMES : _____

SCHOOL : _____

LEO : _____

DISTRICT : _____

This question paper consists of 9 pages.

INSTRUCTIONS TO THE LEARNERS

1. Read ALL the questions carefully.
2. Answer ALL questions in the space provided.
3. Write neatly and legibly.
4. The teacher will lead you through the practice exercise question before you start the test.

Practice exercise:

Circle the letter of the correct answer:

The value of the underlined digit in 65 973 is:

- A 6 000
- B 65 000
- C 60 000
- D 65 900

You have answered correctly if you have circled C above

The test starts on the next page.

QUESTION 1

1. Various options are provided as possible answers to the following questions. Each question has only ONE correct answer.:

1.1 Which number is represented by

$$(5 \times 10) + (6 \times 1\,000\,000) + (2 \times 1\,000) + 8 \times 1 + (4 \times 10\,000) + (7 \times 100) + (3 \times 100\,000)? \quad (1)$$

- A 6 342 758
- B 3 748 265
- C 5 628 473
- D 6 342 759

1.2 What is the value of the underlined digit in 129,34? (1)

- A 4
- B 0,4
- C 40
- D 0,04

1.3 $\frac{1}{5}$ of 300 is: (1)

- A 600
- B 120
- C 60
- D 750

1.4 Select a number from the following number sentence to match the following statement:

Seven less than a certain number m is equal to twelve? (1)

- A $7 - m = 12$
- B $m - 7 = 12$
- C $12 - m = 7$
- D $m + 7 = 12$

1.5 What is the missing term in the table below? (1)

Term number	1	2	3	4	5	10
Term	2	5	10	17	26	?

- A 37
- B 100
- C 101
- D 63

[05]

QUESTION 2

.1 Write down the multiples of 7 between 21 and 56. (1)

2.2 A train travels at 100 km per hour. How far will it travel in $9\frac{1}{2}$ hours? (2)

2.3 Write the number, five million two hundred and thirty-four thousand two hundred and fifty-three in digits/symbols. (1)

2.4 Complete:

$9 \times 4 = (\underline{\quad} \times 4) + (7 \times 4)$ (1)

2.5 Create a number sentence for the following problem and solve it. Our school had twelve trees. On Arbor Day we doubled the number. Three trees dried up and died

2.5.1 Number sentence: _____ (1)

2.5.2 Calculation: _____ (1)

2.6 Insert brackets in the following number sentence to make it true.

$$2 + 5 \times 9 - 4 = 27 \quad (1)$$

2.7 Calculate the value of x if $x - 41 = 12$ (1)

[9]

QUESTION 3

3.1 Use any method to calculate the answers for Questions 3.1.1 to 3.1.7

3.1.1 $598\,456 + 458\,105$ (2)

3.1.2 $956\,250 - 689\,231$ (2)

3.1.3 $3\,590 \times 621$ (3)

3.1.4 $3\,865 \div 120$ (3)

3.1.5 $\frac{25}{36} + \frac{3}{4}$ (3)

3.1.6 $5\frac{4}{6} - 2\frac{2}{6} + 1\frac{1}{6}$ (2)

3.1.7 $8,26 + 3,04 - 6,39$ (2)

[17]

QUESTION 4

4.1

75 % ; 0,5 ; $\frac{1}{4}$

Match each of the two given numbers below with a number from the list above:

4.1.1 50 % = _____ (1)

4.1.2 0,25 = _____ (1)

4.2 Order the following decimal fractions from the biggest to the smallest

(Descending order)

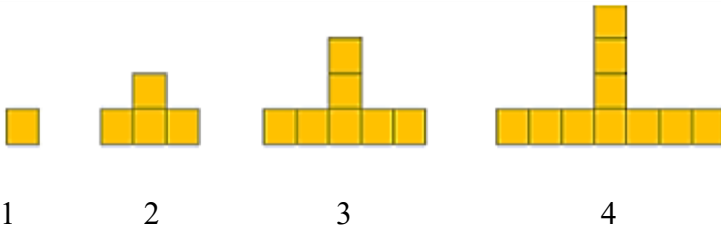
0,5; 0,050; 0,75; 0,570 (1)

4.3 Mr Pitso’s car uses 9,5 litres of petrol to drive to work. He found a shorter route where the car uses only 8,7 litres of petrol. How many litres of petrol does he save? (2)

[5]

QUESTION 5

5.1 Use the following diagram pattern below and answer the questions that follow.



5.1.1 Draw the next pattern. (2)

5.1.2 Describe the pattern above in words. (2)

5.1.3 Determine the number of the diagram pattern that will have 64 small squares. (2)

[6]

QUESTION 6

6 Solve the following problems:

Laone and Tsaone have to divide a 3,6 m rope between them, Laone’s piece must be 800 mm longer than Tsaone’s.

What is length of each of the piece of rope? (3)

6.2 Mr Maisa has 630 eggs. He packs the eggs in trays. Each tray holds 48 eggs.

How many complete trays can he fill and how many are left over? (3)

6.3 A water tank holds 600 kl of water.

How much water is in the tank if it is $\frac{2}{3}$ full ? (2)

[8]

TOTAL: 50