



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION
SEKHUKHUNE SOUTH DISTRICT

GRADE 6

MATHEMATICS
CONTROLLED TEST 2

Marks: 50

Duration: $1\frac{1}{2}$ Hours

Date : 7 June 2022

50

Name of learner: _____

Name of school: _____

Instructions:

1. Read the questions carefully before answering.
2. Answer all questions in the spaces provided.
3. Show all your working steps.
4. Write in blue or black ink only.
5. This paper consists of **7** pages including the cover page.

Question 1

1.1 1.1.1 What is the value of the underlined digit in 584 289 732 (1)

1.1.2 Order these numbers from smallest to biggest

5261871 529673 5270182 526717 5261823

_____ (1)

1.1.3 Circle the prime numbers in the following set of numbers

2 11 25 31 49 51 53 60 (1)

1.1.4 Write these words as a number:

Three hundred and seven thousand two hundred and eighty five

_____ (1)

1.2 Calculate the following

1.2.1

$835\,894 + 470\,579$

(2)

1.2.2

$677\,546 - 185\,357$

(2)

[8]

Question 2

2.1 2.1.1 Give all the factors of 68 .

(2)

2.1.2 Find the multiples of 7 between 105 and 120

(2)

2.1.3 Calculate

$(23 + 7) \times 0 =$ _____

(1)

2.1.4 Calculate the number using any method.

$2\,225 \times 145$

(2)

2.1.5 A new flat screen TV costs R 3999. There are 4 TV sets in the shop. What is the value of all the TVs?

(2)

2.2 2.2.1 Say whether the following statement is *True or False*.

$100 \div 0 = 0$ _____ (1)

2.2.2 Calculate the number using long division method.

$6001 \div 124$

(3)

2.3 Half of six eggs is used in the pancake butter. How many eggs were used for the pancake?

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(2)

[15]

Question 3

3.1 Complete the number sentences below

3.1.1 $9 + 30 = 12 +$ _____ (1)

3.1.2 $35 \div 5 +$ _____ $= 15$ (1)

3.2 Lerato saved R340 and Katlego saved double this amount. Katlego then spends R50. How much has Katlego got now?

Circle the letter of the correct number sentence from the alternatives given.

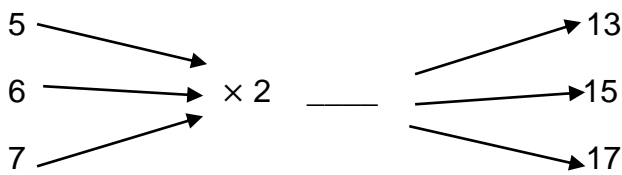
- A. Amount = $340 - 50$
 - B. Amount = $340 + 340 - 50$
 - C. Amount = $340 + 340 + 50$
 - D. Amount = $340 + 50$
- (1)

3.3 Complete the number patterns below and identify the rule used.

3.3.1 30, 60, 120, _____, _____, _____ Rule: _____ (2)

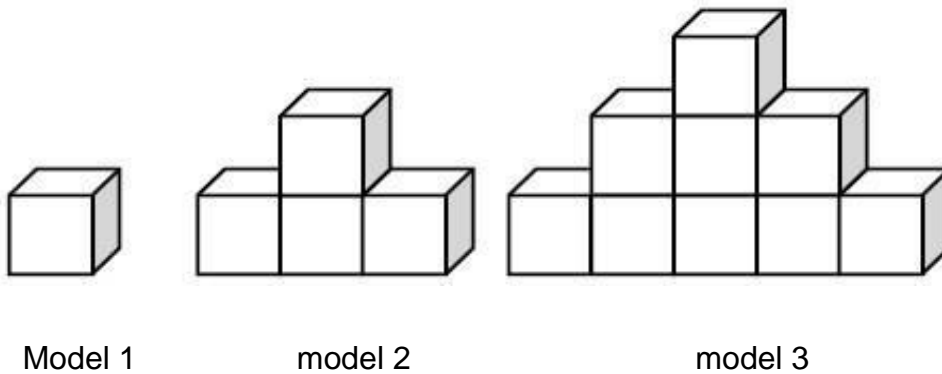
3.3.2 54, 68, 82, _____, _____, _____ Rule: _____ (2)

3.4 Complete the flow diagram by filling in the missing number.



(2)

3.5 Look at the pattern made by models of blocks.



3.5.1 How many blocks will you need to build model 4?
_____ (1)

3.5.2 Write the rule for calculating the number of blocks if the model number is given?
_____ (1)

3.5.3 Use the rule in 3.4.2 to determine the number of blocks needed to build model number 9
_____ (2)

[13]

Question 4

4.1 Complete

0,9 ; 0,7; 0,5; _____; _____ (1)

4.2 Fill in $<$, $=$ or $>$ to make the following statement true.

$\frac{4}{6}$ $\frac{2}{3}$ (1)

4.3 Calculate the following

$5\frac{1}{2} - 2\frac{2}{3}$

(4)

4.4 Change the following as given below

4.4.1 $\frac{6}{10}$ to percentage _____ (1)

4.4.2 $\frac{75}{100}$ to decimal fraction _____ (1)

4.5 Calculate

4.5.1 $23,07 \times 100 =$ _____ (1)

4.5.2 $59,3 - 25,08$

(2)

4.6

Sipho has a weekend job where he earns **R2 650,70** a month. Calculate how much money he saves in a month if he saves **10 %** of his monthly earnings.

(3)

[14]

TOTAL: 50