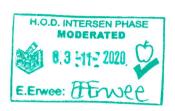


Say.

Mathematics





Laerskool Van Dyk Primary

Moderator: Mrs E Erwee

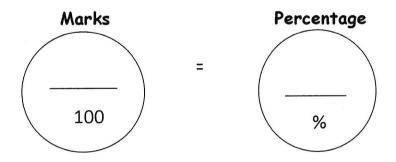
Educator: Mrs S Jacobsz & Mrs I Peens

EMIS nr: 700 160 994

District: ES

Form of assessment : Exam - Term 4.

Topic: All of the topics in Term 1; 2; 3 and 4.



1	2	3	4	5	6	7
0 - 29 %	30 - 39 %	40 - 49 %	50 - 59 %		70 - 79 %	80 - 100 %

Instructions:

- This paper consists of 6 pages, answer all the questions in the spaces provided.
- You are allowed to use a calculator and math set.
- Make sure to show all your calculations.
- Write neat and legibly.

Question 1:

- 1.1. Circle the correct answer for the following questions below:
- 1.1.1. A prime number between 5 and 16...
 - A. 17
 - B. 7
 - C. 20
 - D. 21
- 1.1.2. The first four multiples of 100 are...
 - A. 4, 8, 12, 16
 - B. 20, 40, 60, 80
 - C. 100, 200, 300, 400
 - D. 3, 6, 9, 12
- 1.1.3. The Place Value of the 8 in 8 463 421 is...
 - A. M
 - B. Dt
 - C. Ft
 - D. Gt
- 1.1.4. Choose the correct symbol for the comparison of these two numbers.
- 45 761 * 14 531
 - A. <
 - B. >
 - C. =
 - D. x

A.	800 000
В.	87 394
C.	87 390
D.	80 000
1.1.6.	14 + 25 = 25 + 14 is an example of the property.
	Commutative
В.	O and 1
C.	Inverse operation
D.	Block
1.1.7.	Look at the angle below. Circle the correct name for this angle.
A.	Straight line angle
В.	Acute angle
<i>C</i> .	Obtuse angle
D.	Right angle
1.1.8.	Choose the correct mixed number for this improper fraction $\frac{16}{5}$
A.	1
В.	$3\frac{1}{5}$
C .	$O_{\frac{1}{2}}$
D.	

1.1.5. 87 392 rounded off to the nearest 10 is...

1.1.9. Simplify the fraction: $\frac{12}{24}$	
A. $\frac{1}{2}$	
B. $\frac{1}{7}$	
$C. \frac{1}{10}$	
D. $\frac{24}{1}$	
1.1.10. What fraction of the shape is s	shaded?
A . $\frac{1}{4}$	
B. $\frac{1}{5}$	
$C. \frac{30}{10}$	
D. $\frac{2}{3}$	(10)
1.2. Simplify the two ratio's below:	
1.2.1. 48 : 12	
1.2.2. 27 : 18 : 72	(2)
Question 2:	
2.1. Write the answers of the following	ng exponents:
2.1.1. 3 ² =	2.1.2. 5 ³ =
2.1.3 . 7 ² =	2.1.4. 4 ³ = (4)
2.2. State whether the following state	tements below are true or false:

2.2.1. $b \times b \times b = b^3$

2.2.2.
$$b \times b + b = b^3$$

$$2.2.3. \sqrt{100} = 50$$

2.2.4.
$$\sqrt[3]{125} = 5$$

www.

$$2.2.5.3^3 = 27$$

2.2.6.
$$2^2 \times 2^2 = 2^4$$

2.2.7.
$$\sqrt[3]{64} + \sqrt{16} = 82$$

2.2.8.
$$6^6 \div 6^4 = 6^1$$

$$2.2.9.\ 10^{0} = 5$$

(10)

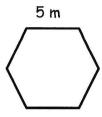
Question 3:

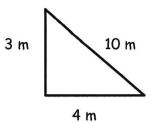
3.1. Choose the correct answer to match with column A. Write the alphabetical letter in column \mathcal{C} .

Α	В	С
3.1.1. Line segment	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3.1.1
3.1.2. Ray	B. 8	3.1.2
3.1.3. Perpendicular	C. A B	3.1.3
3.1.4. Parallel	D. 8	3.1.4

(4)

3.2. Calculate the perimeter of the Hexagon and the area of the triangle below:



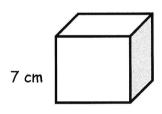


3.2.1. Perimeter of Hexagon:

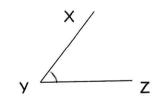
3.2.2. Area of triangle:

(2)(3)

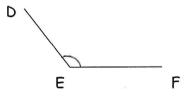
3.3. Jenna wants to wrap a present for Lesego. She needs to calculate the surface area of the cube shaped box. Each side of the shape is 7 cm long. Help her calculate the whole box's surface area. (Make sure to use a formula)



3.4. Use your protractor to measure the angles given below:



3.4.1. XŶZ = _____



3.4.2. DÊF = _____ (2)

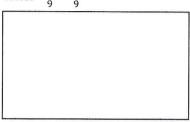
(5)

Question 4:

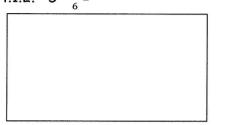
4.1. Calculate the following fractions in its simplest form:

(2)

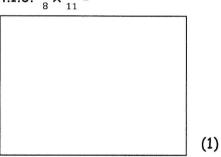
4.1.1.	1	. 5	_
411	•	+ -	=
	9	9	



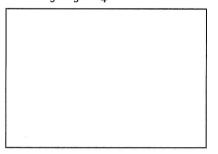
4.1.2. 5 -
$$\frac{2}{6}$$
 =



4.1.3.
$$\frac{1}{8} \times \frac{4}{11} =$$



4.1.4.
$$\frac{1}{3} \times \frac{2}{5} \times \frac{3}{4} =$$



(1)

(3)

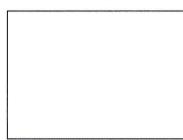
4.2. Calculate: 50% of 170

- 1	
- 1	
- 1	
- 4	
- 1	
- 1	
- 1	
- 1	
- 1	
- 11	
- 31	
- 0	
- 8	
- 11	
- 33	
- 4	
- 1	
- 0	
- 11	
- 33	
- 11	
- 23	
- 4	
- 33	

(1)

4.3. Calculate the following decimal fractions:

$$4.3.2.$$
 $3,14 \times 2,7$



(3)

(2)

4.4. Complete the table below:

Common fraction	Decimal fraction	Percentage	Out of 100
$\frac{1}{2}$		50%	$\frac{50}{100}$
	0,75		$\frac{75}{100}$
$\frac{9}{10}$	0,9	90%	

(4)

4.5. Draw the descriptions of the 2D shape below. Remember the descriptions of the lines and angles.



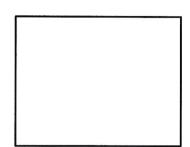
Question 5:

5.1. Draw a number line in the space below. Your number line must show numbers -5 to 5.

(1)

- 5.2. Fill in the additive inverse for the following numbers:
- 5.2.1. -6 additive inverse:
- 5.2.2. 7 additive inverse: _____
- 5.2.3. -89 additive inverse : ______ (3)

5.3. Solve the following:



(2)



5.3.3. -14 - (-10) + 17

1		
ı		
I		
l .		

(3)

Question 6:

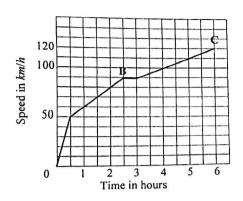
6.1. Use the formula to complete the table below:

	$5 \times x - 2 = y$				
x	1	2	3		
У				33	

(4)

Question 7:

The graph on the next page is a speed - time graph of a bus which travelled for a total of 6 hours from bus stop A to bus stop B, where it stopped for a while and then continued to bus stop C. Use the graph to determine the following:



7.1. The distance by the bus in the first 30 minutes.

:	(1)
7.2. After how much time does the bus reach an average of 110km per hour?	

______(1)

7.3. For how long did the bus stop at bus stop B?	
	(1)

7.4. Calculate the distance between bus stop B and bus stop \mathcal{C} .	

Question 8:

 $8.1.\ Identify$ the variable and constant of the algebraic expressions below:

Algebraic expression	Variable	Constant
b + 12		
$3b + \frac{1}{4}$		

(4)

