

WESTERING PRIMARY SCHOOL
GRADE 6 MATHEMATICS TEST
5 JUNE 2025



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Total		50

NAME: _____

GRADE 6: _____

EXAMINER: Mr B. Peterson

SUBJECT HEAD: Miss H. Staples

TOTAL MARKS: 50

PARENT SIGNATURE: _____

INSTRUCTIONS:

1. Answer all the questions in this question paper.
2. No calculators allowed.

General Questions - 7 Marks

1. Arrange the following numbers in descending order. (1)

468 232 ; 254 258 ; 254 250 ; 235 808 ; 452 232

2. What is 1596 rounded off to the nearest 100? Underline the correct answer. (1)

1500 1595 1600 1510

3. Use < or > or = to compare the following numbers. (1)

0,11 _____ 0,101 203,32 _____ 203,300

4. Arrange the following fractions in ascending order. (1)

$\frac{1}{2}$; $\frac{6}{10}$; $\frac{2}{5}$; $\frac{4}{5}$ _____ ; _____ ; _____ ; _____

5. Is the following statement true or false? Underline the correct answer. (1)

The difference in this pattern is not constant.

0,25 ; 0,5 ; 0,75

True False

6. What is the difference between 12,5 and 6,8? Underline the correct answer. (1)

5,4 5,6 5,7 5,8

7. What is the number halfway between 560 and 2908? Underline the correct answer. (1)

1734 1852 1454 1120

Basic Operations – 6 Marks

$12\,325 + 11\,256$ (1)	$9\,852 - 3\,582$ (1)
$5\,658 \div 225$ (2)	$4\,258 \times 256$ (2)

Basic Operations in Context – 6 marks

1. If one bag of nails contains 613 nails and a hardware store has 23 of these bags, how many nails would the hardware store have in total? Show all workings. (2)
2. 266 bottles of Fanta must be packed into boxes. How many boxes will be needed if a box can only hold 14 bottles of Fanta? Show all workings. (2)
3. The iStore has three Apple laptops on sale. Their prices are as follows:
R35 000, R29 999 and R20 999. Calculate the total value of all the laptops together.
Show all workings. (2)

Ratio – 4 marks

1. It is inventory/stocktake time at the local grocery store. Help by answering the following questions: (4)

1.1) If there are 60 green apples and 20 red apples, what is the ratio of green to red apples? The answer must be in its simplest form. (1)

1.2) The ratio of mangoes to kiwis is 25:10. If there are 150 mangoes, how many kiwis would there be? (1)

2. Look at the following picture and answer the questions which follow: (4)

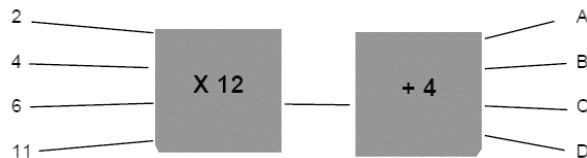


2.1) What is the ratio of balloons to monsters? (1)

2.2) If objects in the picture were tripled, what would the ratio of rockets to presents be? (1)

Numeric and Geometric Patterns – 8 marks

1. Answer the following flow diagram. (4)



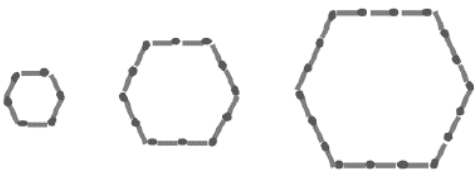
A = _____

B = _____

C = _____

D = _____

2. Complete the questions after investigating the geometric pattern. (4)



2.1) Complete the table by filling in the values for hexagon numbers 4; 5 and 10. (3)

Hexagon number	1	2	3	4	5	10
Number of matches	6	12	18			

2.2) What is the rule for this pattern? (1)

Number Sentences – 3 Marks

1. Fill in the missing numbers to make the following statements equivalent. (3)

$$(5 \times 2) + (7 \times 7) = \underline{\hspace{2cm}} \qquad (502 - 10) + (18 \times \underline{\hspace{1cm}}) = 528$$

$$(230 - \underline{\hspace{1cm}}) + (25 \times 2) = (300 - 100) + 50$$

Fractions, Decimals and Percentages – 16 Marks

1. Complete the following. Show all workings and simplify, where possible. (8)

$\frac{7}{14} + \frac{1}{2}$ (1)	$\frac{12}{18} - \frac{18}{36}$ (1)
What is $\frac{3}{15}$ of 420? (1)	Find 55% of 240. (1)
$6\frac{1}{2} - 3\frac{2}{6}$ (2)	$8\frac{3}{4} + 2\frac{3}{12}$ (2)

2. Calculate the following: (4)

$$18,08 \times 10 = \underline{\hspace{2cm}}$$

$$0,12 \div 10 = \underline{\hspace{2cm}}$$

$$1236,123 \div 100 = \underline{\hspace{2cm}}$$

$$887,654 \times 100 = \underline{\hspace{2cm}}$$

3. Milah was at the mall and did the following things: (4)
- Bought clothing worth R469,50.
 - Ate at McDonalds for R75,49
 - Watched a movie (with popcorn and a Slush Puppy) at Ster Kinekor for R220,50
 - Spent one hour at Gravity for R120.

3.1) How much did Milah spend on the day? (2)

3.2) How much money was leftover if she only had R900? (2)