SMARTWIZ

GRADE 5 MATHEMATICS EXAM

MARKS: 50	MARKS	
TIME: 1 hour		
SCHOOL		
CLASS (e.g. 4A)		
SURNAME		
NAME		
MYST PATHWO	DRKS	
Instructions for Students:		
> Read all instructions carefully before beginning the exam.		
> Write your name and student ID clearly on the answer sheet/b	ooklet.	
> Answer all questions unless otherwise stated.		
> Show all your work/calculations where applicable.		
> Write clearly and legibly.		
> Use blue or black ink only. * Do not use correction fluid/tape.		

This test consists of 5 pages, excluding the cover page.

> No electronic devices (calculators, phones, etc.) are allowed unless explicitly permitted.

> Raise your hand if you have any questions.

> Do not talk to other students during the exam.

> Any form of cheating will result in disqualification.

SECTION A: WHOLE NUMBERS AND PLACE VALUE [14 MARKS]

Question 1: Place Value (4 Marks)

1.1 Write the number 57 209 in words. (2)

1.2 What is the value of the digit 2 in 57 209? (1)

1.3 Round 57 209 to the nearest thousand. (1)

Question 2: Compare and Order (4 Marks)

2.1 Fill in <, >, or =:

- a) 35 100 ____ 34 999 (1)
- b) 82 300 ____ 82 030 (1)
- 2.2 Arrange the following numbers from smallest to largest:
- 42 709; 47 902; 40 279; 44 702 (2)

Question 3: Odd and Even Numbers (2 Marks)

3.1 Is 48 731 an odd or even number? (1)

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3.2 Is 9 002	an odd or even	number? (1)
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Question 4: Multiples and Factors (4 Marks)

4.1 List any three multiples of 6. (11/2)

4.2 List any two factors of 18. (1)

4.3 Is 37 a prime number? (Yes/No) (½)

4.4 What is the lowest common multiple (LCM) of 3 and 4? (1)

SECTION B: NUMBER OPERATIONS [18 MARKS]

Question 5: Addition and Subtraction (4 Marks)

Question 6: Multiplication (5 Marks)

6.1 Calculate:
$$54 \times 6 =$$
 ______(1)

5.3 Use doubling to work out: 25 × 8 = (2)
Question 7: Division (5 Marks)
7.1 Calculate: 63 ÷ 9 = (1)
7.2 Calculate: 648 ÷ 6 = (2)
7.3 A bag of sweets has 135 sweets. If each child gets 9, how many children get sweets? (2)
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Question 8: Word Problem (4 Marks)
3.1 A shop sells pencils at R4 each. How much will 28 pencils cost? (2)
3.2 Lebo has R150. She buys 3 books at R38 each. How much money does she have left? 2)

SECTION C: PATTERNS AND DATA [18 MARKS]

Question 9: Number Patterns (4 Marks)

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a	1	Camp	lata tha	pattern:
Э.	. т	COILID	ופנפ נוופ	Dallei II.

- 9.2 What rule is used in the pattern above? (1)
- 9.3 Complete the pattern:

9.4 What rule is used in this pattern? (1)

Question 10: Data Handling (5 Marks)



The bar graph shows the number of apples sold in a week:

Day	Apples Sold
Monday	20
Tuesday	35
Wednesday	30
Thursday	25
Friday	40

10.1 On which day were the most apples sold? (1)

10.2 On which day were the fewest apples sold? (1)

10.3 How many apples were sold in total on Monday and Tuesday? (1)

10.4 How many more apples were sold on Friday than on Wednesday? (1)

10.5 How many apples were sold	altogether for the week? (1)	
Question 11: Tables (3 Marks)		
Look at the input-output table:		
11.1 Complete the table. (3)		
Input	Rule: × 5 + 2	Output
3	Hale. A 5 1 2	Cutput
4		
6		
Question 12: Time (6 Marks)		
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12.1 How many minutes are there	e in 2 hours? (1)	
12.2 How many days are there in	6 weeks? (1)	
12.3 A movie starts at 15:30 and 6	ends at 17:00. How long is the	movie? (2)
12.4 What is the time 45 minutes	after 09:15? (2)	

<u>TOTAL : 50</u>

MEMORANDUM / ANSWERS

SECTION A: [14 MARKS]

Q1:

- 1.1 Fifty-seven thousand two hundred and nine \checkmark (2)
- 1.2 200 🗸 (1)
- 1.3 57 000 🗸 (1)

Q2:

- $2.1 a) > \checkmark (1), b) > \checkmark (1)$
- 2.2 40 279; 42 709; 44 702; 47 902

 (2)

Q3:

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<u>Q4:</u>

- 4.1 6; 12; 18 (1½)
- 4.2 1; 9 (any 2) **(**1)
- 4.3 Yes **(**½)
- 4.4 12 🗸 (1)

+ SECTION B: [18 MARKS]

Q5:

5.2 6 367 🗸 (2)

<u>Q6:</u>

- 6.1 324 🗸 (1)
- 6.2 812 🗸 (2)
- 6.3 200 🗸 (2)

<u>Q7:</u>

- 7.1 7 🗸 (1)
- 7.2 108 🗸 (2)
- 7.3 15 children **(**2)

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<u>Q8:</u>

- 8.1 R112 **《** (2)
- 8.2 R36 **《** (2)

SECTION C: [18 MARKS]

<u>Q9:</u>

- 9.1 48; 60 🗸 (1)
- 9.2 Add 12 **(**1)
- 9.3 80; 60 🗸 (1)
- 9.4 Subtract 10 **(**1)

Q10:

- 10.1 Friday **(**1)
- 10.2 Monday **√** (1)
- 10.3 55 🗸 (1)
- 10.4 10 🗸 (1)
- 10.5 150 🗸 (1)

Q11:

- 11.1
- $3 \rightarrow 3 \times 5 + 2 = 17$
- $4 \rightarrow 22 \checkmark$
- $6 \rightarrow 32 \checkmark$

(3)

Q12:

- 12.1 120 minutes **(**1)
- 12.2 42 days **(**1)
- 12.3 1 hour 30 minutes **√** (2)
- 12.4 10:00 🗸 (2)

TOTAL: 50 MARKS

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