SMARTWIZ

GRADE 4 MATHEMATICS EXAM

MARKS: 50

MARKS	

TIME: 1 hour

SCHOOL_____

CLASS (e.g. 4A) _____

SURNAME_____

NAME_____

Instructions for Students:

> Read all instructions carefully before beginning the exam.

> Write your name and student ID clearly on the answer sheet/booklet.

> 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.

> 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.

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

QUESTION 1

Underline the correct answer to each question. You may work out the answers on your paper first.

1.1 The number value of the 5 in 8 654 is (50 ; 5T; 5H ; 500)

   Answer : 50

1.2. Five thousand five hundred is written as (5 050 ; 5 015 ; 5 500 ; 5 100).

   Answer : 5 500

1.2 (90 ÷ 30) × 60 = f × 30 (2 ; 3 ; 4 ; 5)
   Answer : 5

1.4. What is 600 less than 6 250? (5 550 ; 5 650 ; 5 700 ; 5 850)

   Answer: 5 650

1.5. 30 × 5 × 10 equals: (1 000 ; 1 200 ; 1 300 ; 1 500)

   Answer : 1 500

1.6. Find the total of 7 850 and 600 (9 472 ; 9 362 ; 9 372 ; 9 482)

   Answer : 8 450

1.7. Double the number 4 736. (9 472 ; 9 362 ; 9 372 ; 9 482)

   Answer : 9 472

1.8. Underline the multiples of 6 between 30 and 50 in red: (30 ; 33 ; 36 ; 42 ; 45 ; 48)

   Answer : 30, 36, 42, 48

1.9. The biggest odd number made with the digits **2 6 7 1** is: (7 621 ; 7 216 ; 7 261 ; 7 612)

1.10. (72 ÷ 8) × 50 = : (450 ; 460 ; 470 ; 480)

   Answer : 450   **[10]**

QUESTION 2

Complete the number patterns:

2.1 120 ; 1 220 ; 1 320 ; _____ ; _____

Answer : 1 420 ; 1 520

2.2 6 500 ; 6 480 ; 6 460 ; _____ ; _____

Answer : 6 440 ; 6 420

2.3 5 600 ; 5 650 ; _____ ; _____ ; 5 700

Answer : 5 700 ; 5 750

2.4 3 105 ; 3 005 ; 2 905 ; _____ ; _____

Answer : 2 805 ; 2 705

2.5 Look at the number pattern and say what the rule is:

8 215	8 220	8 225	8 230	The rule is _____

Answer : Adding 5

[8]

QUESTION 3

Round off and estimate carefully.

3.1 Round off **1 567** to the nearest a) 10 ≈ _____

Answer : 1 570

b) 100 ≈ _____

Answer : 1 600

c) 1 000 ≈ _____

Answer : 2 000   (3)

3.2 Estimate how much money Tim has by rounding off to the nearest 10:

John had R345 and saved another R164.   (2)

Answer : R350 + R160 = R510

[5]

QUESTION 4

Calculate the answers: You may use any method.

Please show all signs and steps clearly.

4.1.   5,732 + 2,489. = a

4.2.   6,845 + 3,157 = b

Answer : 8 221

Answer : 10 002

4.3.   4,398 + 5,627 = c

4.4. 7,256 + 2,839 =d

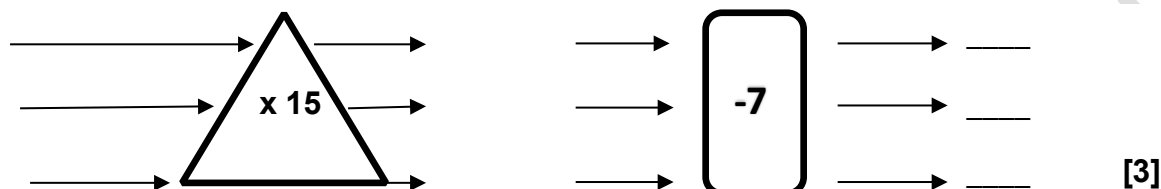**Answer : 10 025**

Answer : 10 095

4.5.   8,500 - 3,275 = e

4.6.   124 × 15 = f

Answer : 5 225

Answer : 1 860

QUESTION 5

Complete the flow chart:

[3]

QUESTION 6

More patterns:

6.1 Look at the pattern made and then complete the given table:

(3)

Pattern	1	2	3	4	5	6
Circles	1	3	5			

Answer : 7 , 9 , 11

6.2. Describe the rule for the pattern of circles. How does the number of circles change from one step to the next?   (1)

Answer : Adding 2 each time

6.3. If the pattern continues, how many circles will be in the 10th step? Explain how you determined your answer.   (3)

Answer : 19

[4]

QUESTION 7

PROBLEM SOLVING

Write a number sentence and do a calculation for the story sums below.

7.1. If Liam had R75 and spent R28.50 on a new game, how much money does he have left?

_____

_____

_____

(3)

_____

Answer : R46.50

7.2. A baker is making 12 identical batches of cookies. Each batch requires 3/4 cup of sugar. How many cups of sugar does the baker need in total?_____

_____

_____

(3)

_____

[6]

Answer : 9 cups

TOTAL : 50