SMARTWIZ

GRADE 6 MATHEMATICS EXAM

MARKS	

MARKS: 40

TIME: 1 hour 30 Minutes

SCHOOL _____

CLASS (e.g. 4A) _____

SURNAME _____

NAME _____

Instructions for Learners:

>Read all instructions carefully before beginning the exam.

>Write your name and student number clearly on the answer sheet or booklet.

>Answer all questions unless otherwise indicated.

>Show all workings/calculations where applicable.

>Write clearly and legibly.

>Use only blue or black ink. * Do not use correction fluid or tape.

>No electronic devices (such as calculators, cellphones, etc.) are allowed unless specifically permitted.

>Raise your hand if you have a question.

>Do not talk to other learners during the exam.

>Any form of dishonesty will result in disqualification.

This exam consists of 7 pages, including the cover page.

SECTION A: WHOLE NUMBERS (10 MARKS)

Write the number 42 508 in words. (1)

_____

Round off 42 508 to the nearest 1 000. (1)

_____

What is the value of the digit 4 in the number 42 508? (1)

_____

Add: 25 309 + 14 981 (2)

_____

Subtract: 50 000 - 23 456 (2)

_____

Multiply: 206 × 7 (2)

_____

Divide: 525 ÷ 5 (1)

_____

SECTION B: FRACTIONS (8 MARKS)

Write ½ as a decimal. (1)

_____

Simplify: 6/9 (1)

_____

Add: 1/4 + 2/4 (1)

_____

Subtract: 5/6 - 1/6 (1)

_____

Multiply: 2/5 × 3 (2)

_____

Divide: 3/4 ÷ 2 (2)

_____

SECTION C: MEASUREMENT (10 MARKS)

Convert 1.5 km to metres. (1)

_____

How many grams in 3.2 kg? (1)

_____

A class starts at 10:15 and ends at 11:00. How long is the lesson? (1)

_____

Perimeter of rectangle: Length = 8 cm, Breadth = 4 cm (2)

_____

Area of rectangle: Length = 5 m, Breadth = 3 m (2)

_____

How many ml in 2.5 litres? (1)

_____

Convert 180 minutes to hours. (2)

_____

SECTION D: DATA HANDLING (12 MARKS)

Use the table below showing the number of books read by learners:

Learner	Books Read
Thabo	5
Amina	7
Busi	3
James	6

Who read the most books? (1)

_____

How many books were read in total? (2)

_____

What is the difference between the highest and lowest? (2)

_____

What is the average number of books read? (2)

_____

Represent the data in a pictograph using ▮ = 1 book (draw) (5)

TOTAL: 40 MARKS

SECTION A: WHOLE NUMBERS (10 MARKS)

Forty-two thousand five hundred and eight (1)

43 000 (1)

40 000 (1)

25 309 + 14 981 = 40 290 (2)

50 000 - 23 456 = 26 544 (2)

206 × 7 = 1 442 (2)

525 ÷ 5 = 105 (1)

SECTION B: FRACTIONS (8 MARKS)

0.5 (1)

2/3 (1)

3/4 (1)

4/6 or 2/3 (1)

6/5 or 1 1/5 (2)

3/8 (2)

SECTION C: MEASUREMENT (10 MARKS)

1 500 m (1)

3 200 g (1)

45 minutes (1)

Perimeter = 2(8 + 4) = 24 cm (2)

Area = 5 × 3 = 15 m² (2)

2 500 ml (1)

3 hours (2)

SECTION D: DATA HANDLING (12 MARKS)

Amina (1)

5 + 7 + 3 + 6 = 21 books (2)

7 - 3 = 4 books (2)

21 ÷ 4 = 5.25 (2)

Pictograph (Each ▪ = 1 book):

Thabo:	▪ ▪ ▪ ▪ ▪
Amina:	▪ ▪ ▪ ▪ ▪ ▪ ▪
Busi:	▪ ▪ ▪
James:	▪ ▪ ▪ ▪ ▪ ▪ (5)

TOTAL: 40 MARKS