

SMARTWIZ

GRADE 6 MATHEMATICS EXAM

MARKS: 30

MARKS	

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 4 pages, including the cover page.

SECTION A: WHOLE NUMBERS (10 MARKS)

Write the number 6 709 in words. (2)

Add: $3\,145 + 2\,604 =$ _____ (2)

Subtract: $7\,000 - 2\,356 =$ _____ (2)

Multiply: $143 \times 3 =$ _____ (2)

Divide: $420 \div 5 =$ _____ (2)

SECTION B: FRACTIONS (10 MARKS)

Write $\frac{1}{4}$ as a decimal: _____ (1)

Simplify: $\frac{4}{8} =$ _____ (1)

Add: $\frac{2}{5} + \frac{1}{5} =$ _____ (2)

Subtract: $\frac{5}{6} - \frac{2}{6} =$ _____ (2)

Multiply: $\frac{1}{2} \times 6 =$ _____ (2)

Divide: $\frac{3}{4} \div 3 =$ _____ (2)

MYST PATHWORKS

SECTION C: SHAPES AND MEASUREMENT (10 MARKS)

What shape has 3 sides? _____ (1)

Draw a rectangle and label its length and width. (3)

Perimeter of a square with side 5 cm: _____ cm (1)

Convert 2 litres to millilitres: _____ ml (1)

What time is 45 minutes after 9:15? _____ (1)

How many minutes in 2 hours? _____ (1)

Convert 3.5 kg to grams: _____ g (2)

MYST PATHWORKS

TOTAL: 30 MARKS

SECTION A: WHOLE NUMBERS (10 MARKS)

Six thousand seven hundred and nine (2)

$$3\,145 + 2\,604 = 5\,749 \text{ (2)}$$

$$7\,000 - 2\,356 = 4\,644 \text{ (2)}$$

$$143 \times 3 = 429 \text{ (2)}$$

$$420 \div 5 = 84 \text{ (2)}$$

SECTION B: FRACTIONS (10 MARKS)

$$0.25 \text{ (1)}$$

$$\frac{1}{2} \text{ (1)}$$

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5} \text{ (2)}$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} \text{ or } \frac{1}{2} \text{ (2)}$$

$$\frac{1}{2} \times 6 = 3 \text{ (2)}$$

$$\frac{3}{4} \div 3 = \frac{1}{4} \text{ (2)}$$

MYST PATHWORKS

SECTION C: SHAPES AND MEASUREMENT (10 MARKS)

Triangle (1)

Rectangle with labelled sides: any clear drawing with "length" and "width" indicated (3)

$$\text{Perimeter} = 4 \times 5 \text{ cm} = 20 \text{ cm (1)}$$

2 000 ml (1)

10:00 (1)

120 minutes (1)

3.5 kg = 3 500 g (2)

MYST PATHWORKS

TOTAL: 30 MARKS