EXAMINATIONS COUNCIL OF ESWATINI
Eswatini Primary Certificate

CANDIDATE NAME	

CENTRE NUMBER					CANDIDATE NUMBER				

MATHEMATICS **212/01**

Paper 1 **October/November 2023**

1 hour 30 minutes

Additional materials: Geometrical instruments
                    Tracing paper (optional)

READ THESE INSTRUCTIONS FIRST

Write your candidate name, centre number, candidate number on the spaces provided.

Write in dark blue or black pen in the spaces provided on the Question Paper.

You may use an HB pencil for any diagrams and graphs.

Do **not** use staples, tables, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

Electronic calculators should **no**t be used.

This paper is in **two** sections:

SECTION A: [40 Marks]: Show your answers on the Answer Grid

provided. Read the instructions on how to use the Answer Grid.

SECTION B: [60 Marks]: Write all answers in the answer spaces provided.

The number of marks is given in brackets [ ] at the end of each question or part question.

All working should be clearly shown below each question.

The total number of marks for this paper is 100.

For Examiner's Use	
Section A	
Section B	
21	
22	
23	
24	
25	
26	
27	
Total	

This document consists of **15** printed pages and **1** blank page.

[Turn over

SECTION A (40 Marks)

For each question, four possible answers are given. Work out which one is correct and cross [x] with a pencil on the answer grid provided on Page 9**.**

EXAMPLE:

40   Work out   20 + 3

   A   17

   B   23

   C   60

   D   203

	A	**B**	**C**	**D**
40		✕		

1   What is 17 × 23 equal to ?

   A   85

   B   291

   C   1723

   D   391

2   When working out the number sentence 3 + 8 ÷ 2 × 4 – 2, the first step is

   A   + 8

   B   8 ÷ 2

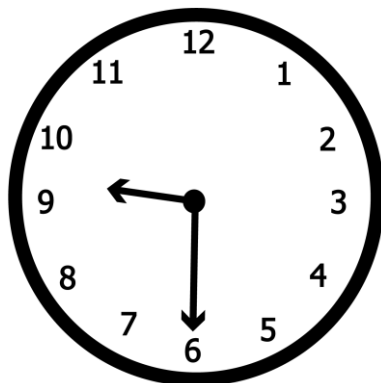   **C**   2 × 4

   D   4 – 2

3   Which of the following represents the number 2 009 046?

   A   Two million, nine thousand and forty-six

   B   Two million and nine hundred and forty-six

   C   Two hundred thousand, nine thousand and forty-six

   D   Two million, nine hundred thousand and forty-six

4   Which of the following shows **all** the factors of 24?

    A   1, 2, 3, 4, 6, 8, 12

    B   2, 3, 4, 6, 8, 12, 24

    C   1, 2, 3, 4, 6, 8, 12, 24

    D   2, 4, 6, 8, 12, 24

5   The sum of $\frac{1}{10} + 0.1$ is

    A $\frac{2}{10}$

    B   0.11

    C   1.01

    D $\frac{2}{20}$

6   The number of sides in a heptagon is

    A   8

    B   7

    C   6

    D   5

7   The number 325.564 to the nearest hundredth is

    A   300

    B   326

    C   325.56

    D   325.565

8   Melusi looks at the clock at night as he gets ready for bed.
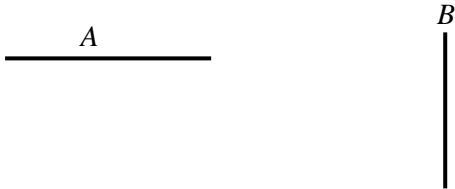
The time shown on the clock in 24-hour time is

   A   0930 hours

   B   2130 hours

   C   9.30 hours

   D   2106 hours

9   On a drawing, 6 cm represents 420 km of the actual distance.

What is the scale of the drawing in its simplest form?

   A   10 cm represents 42 km

   B   1 cm represents 60 km

   C   1 cm represents 70 km

   D   10 cm represents 70 km

10   How many weeks are in 4 years?

   A   192 weeks

   B   208 weeks

   C   16 weeks

   D   48 weeks

11   A country recorded a total of 8 769 Corona Virus cases during the first three months of the year.

There were 1 234 cases in January and 1 223 cases in February.

How many cases were recorded in March?

   A   11 226

   B   2 457

   C   9 992

   D   6 312

12   Which statement is true about an equilateral triangle?

   A   all angles are equal with different lengths of sides

   B   all angles are equal and all sides are of equal length

   C   two angles are equal and two sides are of equal length

   D   two angles are equal with different lengths of sides

13   The diagram below shows two lines *A* and *B*.

B

A

   Choose a statement that is true about lines *A* and *B*.

   A   Line *A* is vertical and line *B* is horizontal

   B   Line *A* is parallel to line *B*

   C   Line *A* is parallel and line *B* is perpendicular

   D   Line *A* is horizontal and line *B* is vertical

14   Which of the following numbers is a prime number that is also an odd number?

   A   21

   B   9

   C   7

   D   2

15   The word expenditure can be defined as

   A   the money that is spent when paying for items

   B   the money that is used to pay for expensive items only

   C   the money that remains after paying for items

   D   the money that a person gets from selling expensive items

16   Choose the number sentence that shows the correct steps for the difference of $\frac{6}{7} - \frac{2}{3}$.
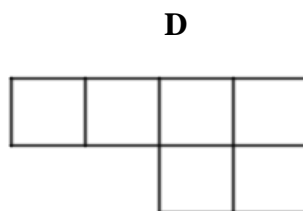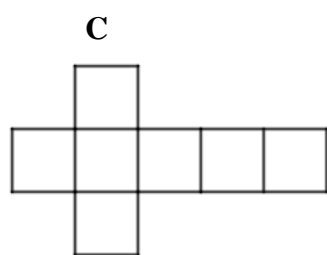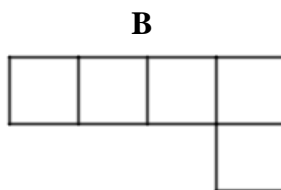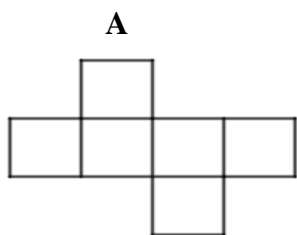
A $\frac{6}{7} - \frac{2}{3} = \frac{4}{4} = 1$

B $\frac{6}{7} - \frac{2}{3} = \frac{6}{10} - \frac{2}{10} = \frac{4}{10} = \frac{2}{5}$

C $\frac{6}{7} - \frac{2}{3} = \frac{18}{21} - \frac{14}{21} = \frac{4}{21}$

D $\frac{6}{7} - \frac{2}{3} = \frac{6}{21} - \frac{2}{21} = \frac{4}{21}$

17   Which of the following nets is the correct net for a cube?

A

B

C

D

18   State the mode of the data below.

6   2   8   8   2   2   6   3

A   3

B   6

C   2

D   8

19   A baker adds 3 cups of sugar to 8 cups of flour.

How many cups of sugar will be added to 24 cups of flour?
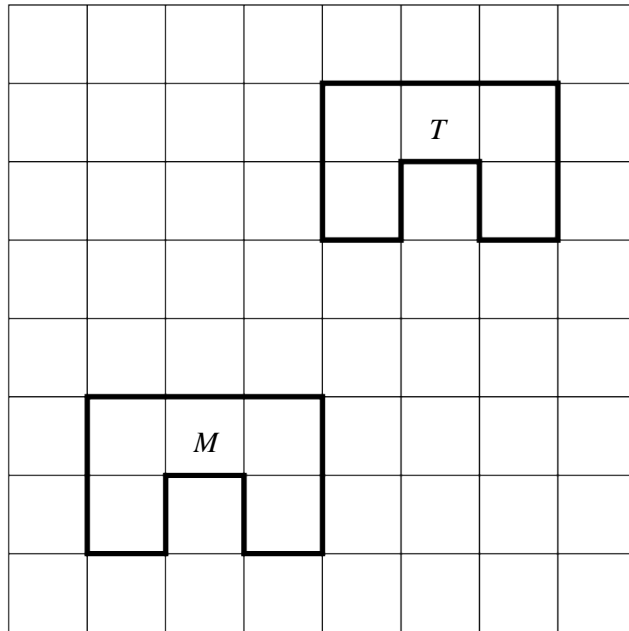
A   6 cups

B   9 cups

C   12 cups

D   19 cups

20   The diagram shows a sliding movement of figure *M* to figure *T*.

Which statement describes the sliding of figure *M* to figure *T* ?

A   3 left and 4 down

B   2 up and 3 right
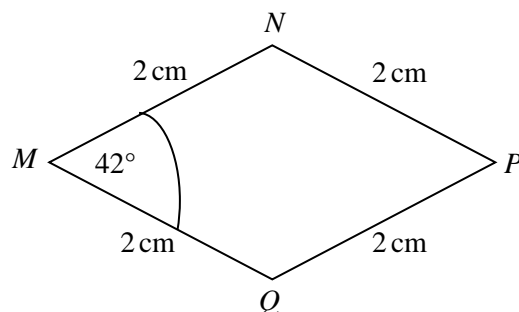
C   3 right and 4 up

D   4 up and 3 right

SECTION A MULTIPLE CHOICE ANSWER GRID

Question number	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

SECTION B (60 marks)

Answer **all** questions

21   The diagram below shows quadrilateral *MNPQ*.

NOT TO SCALE

(a) State the name of quadrilateral *MNPQ*.

Answer (a) ……………………………………. [1]

(b) How many lines of symmetry does the quadrilateral have?

Answer (b) ……………………………………… [1]

(c) State the sum of interior angles of the quadrilateral *MNPQ*.

Answer (c) ……………………………………… [1]

(d) Angle *NMQ* = 42°.

State the size of angle *NPQ*.

Answer (d) ……………………………………… [1]

(e) Calculate the perimeter of quadrilateral *MNPQ*.

Answer (e) …………………….…………… cm [2]

22 Work out the following.

(a) 0. 084 + 0.23 + 0.4

Answer (a) ……………………………………… [2]

(b) $8 - 5\frac{3}{7}$

Answer (b) ……………………………………… [2]

(c) 2.6 × 10 × 4

Answer (c) ……………………………………… [2]

(d) $6 \div \frac{1}{3}$

Answer (d) ……………………………………… [2]

(e) 3 675 + 522

Answer (e) ……………………………………… [2]

(f) $\frac{2}{3}$ of an hour, giving your answer in minutes.

Answer (f) ……………………..………… minutes [2]

23 **(a)** A list of decimal numbers is given below

0.921   0.911   0.910   0.912   0.902

Arrange the decimals starting with the **smallest**.

Answer (a) ………….., ………….., ………….., ………….., ………….. [2]

(b) State the digit that has a place value of **Thousands** in the number below:

103 799.645

Answer (b) …………………………………... [1]

(c) Three girls share 60% of a cake equally.

What fraction of the whole cake will each girl get?

Answer (c) …………………………………… [3]

(d) Write the number 86 432 in expanded form.

Answer (d) …………………………………………………………………………… [2]

(e) A village has a population of 2 000.

Three fifths of the population has been fully vaccinated against COVID-19.

Calculate the number of people who are **not** fully vaccinated.

Answer (e) …………………………………… [3]

24 The table below shows prices of stationary items in Shop *X* and Shop *Y*.

Item	*Shop X (E)*	*Shop Y (E)*
Instruments box	73.90	71.75
Exercise book	27.50	28.95
Ruler	4.35	4.40
Pen	8.65	10.15

(a) How much is a ruler in Shop *Y*?

Answer (a) E …………………………… [1]

(b) (i) In which shop is an exercise book cheaper?

Answer (b)(i) ………………………..………… [1]

(ii) By how much is the exercise book cheaper?

Answer (b)(ii) E ………………………………… [2]

(c) Sipho buys one instruments box form Shop *X* and two pens from Shop *Y*.

Calculate the amount of money that Sipho pays.

Answer (c) E ………………………………… [3]

25 **(a)** Complete the following statements:

(i) $9 \times (5 + 3) =$ ………….. × ………….. [2]

(ii) 63 months = ………….. years + ………….. months [2]

(b) Use > or **<** to make the following statement true.

Obtuse angle ………….. Reflex angle [1]

(c) The pictogram below shows the number and types of library books borrowed by students in a school in one week.

Adventure	⊗ ⊗ ⊗ ⊗
Fantasy	⊗ ⊗ ⊗
Mystery	⊗ ⊗
Crime	⊗ ⊗
Comic	⊗ ⊗ ⊗ ⊗ ⊗
KEY	⊗ = 20 students ⊗ = 5 students

(i) State the least borrowed library book.

Answer (c)(i) ……………………………………… [1]

(ii) Which library book was borrowed by 30 students?

Answer (c)(ii) ……………………………………… [1]

(iii) Find the difference between the number of students who borrowed comic and adventure books.

Answer (c)(iii) …………………………… students [3]

26 (a) Students from Achievers Primary School use different types of transport to get to school as shown below:
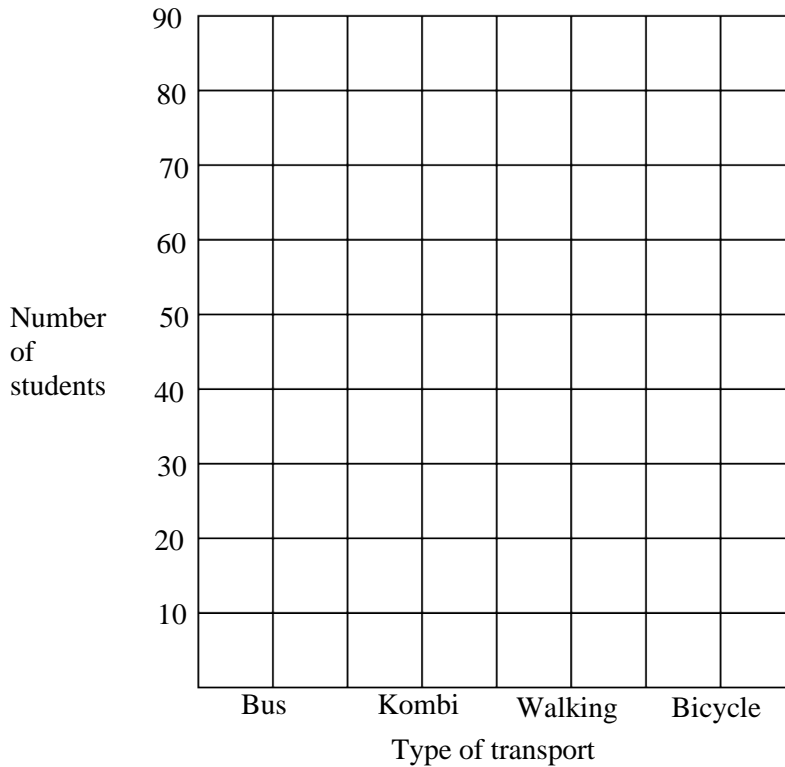
Bus = 80

Kombi = 40

Walking = 70

Bicycle = 10

Use the grid below to show the information in a bar chart.

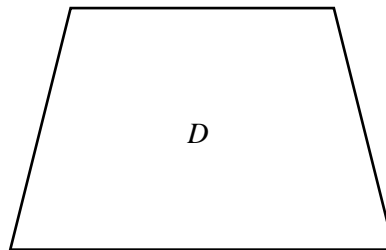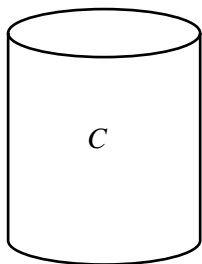*Different types of transport used by students to get to school*

[4]

(b) Nokwanda has an 83 m wire.

She cuts the wire into 2 m pieces.

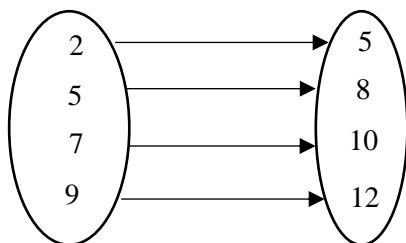How many 2 m pieces of wire did Nokwanda get?

Answer (b) ……………………………………… [3]

27 (a) State the names of the shapes *C* and *D*.

Answer (a) C …………..…….….………………… [1]

D …………….……..……….……….. [1]

(b) A mapping diagram has the following input and output sets.

Write **any two** ordered pairs using the input and output sets.

Answer (b) ………………………………….. [1]

………………………………… [1]

(c) A builder uses twice as much cement in the morning than in the afternoon.

On a particular day he uses 660 kg.

How much cement did he use in the morning?

Answer (c) ……………….…………….. kg [3]

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