



EXAMINATIONS COUNCIL OF ESWATINI
Eswatini Primary Certificate

CANDIDATE
NAME

--

CENTRE
NUMBER

--	--	--	--

CANDIDATE
NUMBER

--	--	--	--

MATHEMATICS

212/01

PAPER 1

October/November 2019

1 hour 30 minutes

Additional materials: Geometrical instruments
Tracing paper (optional)

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

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

You may use a soft pencil for any diagrams and graphs.

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

Answer **all** questions.

Electronic calculators should **not** 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.

If working is needed for any question it must be shown below that question.

The total marks for this paper is 100.

For Examiner's Use	
Section A	
Section B	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
Total	

This document consists of **21** printed pages and **3** blank pages.

SECTION A (40 marks)

For each question, four possible answers are given. Work out which one is correct and mark it with a pencil on the answer grid provided on page 9.

EXAMPLE:

40 Work out $13 + 4$.

A 3

B 7

C 17

D 30

Answer:

	A	B	C	D
40			X	

1 The place value of 4 in the number 2040 is.....?

A Ones

B Tens

C Hundreds

D Thousands

2 What is $\frac{1}{5} - \frac{2}{5}$ equal to?

A $\frac{1}{5}$

B $\frac{3}{10}$

C $\frac{3}{5}$

D $\frac{3}{25}$

- 3 Which of the following lengths is the longest?
- A 120 cm
 - B 1 m 30 cm
 - C 2 m
 - D 90 cm
- 4 A radio programme started at 11:00 am and ended at 11:30.
How long did the radio programme last?
- A 30 minutes
 - B 35 minutes
 - C 40 minutes
 - D 45 minutes
- 5 What is $7213 - 6508$ equal to?
- A 795
 - B 705
 - C 615
 - D 605
- 6 The HCF of 8 and 24 is.....
- A 1
 - B 2
 - C 4
 - D 8

- 7 The sum of 3016 and 1085 is.....
- A 4001
 - B 4091
 - C 4101
 - D 4111
- 8 If you add up **all even** numbers between 1 and 9, what is the answer?
- A 25
 - B 20
 - C 16
 - D 15
- 9 A triangle that has only two equal angles is called.....
- A Right-angled triangle
 - B Scalene
 - C Isosceles
 - D Equilateral
- 10 If six children share 146 pens equally.
How many pens will remain?
- A 0
 - B 2
 - C 6
 - D 24

- 11** Fifty six is equal to 5 groups of 8 + groups of 8.
- A** 1
 - B** 2
 - C** 7
 - D** 8
- 12** What is the value of $(21 + 5) \div (4 - 2)$?
- A** 28
 - B** 26
 - C** 13
 - D** 4.5
- 13** Write the third number in the following pattern.
2870, 2890,, 2930, 2950
- A** 2810
 - B** 2830
 - C** 2900
 - D** 2910
- 14** Mfikile has exactly 5 coins adding up to E1.00 in his pocket.
How many 10 cents coins does he have?
- A** 2
 - B** 3
 - C** 4
 - D** 5

15 Which one of the following quantities is arranged from the smallest to the largest?

A 5 l, 50 ml, 500 ml

B 5 l, 500 ml, 50 ml

C 50 ml, 5 l, 500 ml

D 50 ml, 500 ml, 5 l

16 What is the next prime number?

3, 5, 7,

A 8

B 9

C 11

D 13

17 What is the median of the given set of numbers?

2, 5, 5, 4, 4, 6, 9, 8, 4

A 9

B 5

C 4

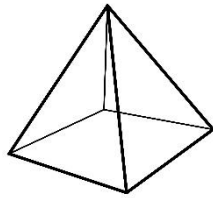
D 3

- 18 Mbuso ate $\frac{1}{6}$ of a cake and Patience ate $\frac{4}{6}$ of the same cake.

What fraction of the cake was not eaten?

- A $\frac{5}{6}$
B $\frac{5}{12}$
C $\frac{1}{6}$
D $\frac{1}{12}$

- 19 What is the name of the solid shape below?



- A Triangular pyramid
B Square based pyramid
C Rectangular prism
D Triangular prism

20 In a hall there are 23 rows with 25 chairs in each row.

There is an extra row with 19 chairs.

Which number sentence can help to calculate the total number of chairs in the hall?

A $(23 \times 25) + 19$

B $(23 \times 25) \times 19$

C $23 \times 25 \times 19$

D $(23 + 25) + 19$

SECTION A MULTIPLE CHOICE ANSWER GRID

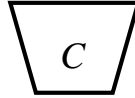
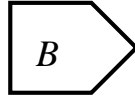
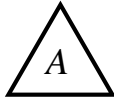
Question number	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

SECTION B (60 marks)Answer **all** questions.**21 (a)** Complete the following:**(i)** Write the number of decades in 70 years.*Answer (a)(i)*.....[1]**(ii)** Find the number of hours that makes $2\frac{1}{2}$ days.*Answer (a)(ii)*.....hours [2]**(b)** Round off the number 68 789 to the nearest 10.*Answer (b)*.....[1]**(c)** Complete the following table.

Fraction	Decimal	Percentage
$\frac{4}{10}$	0.4
$\frac{75}{100}$	75%

[2]

(d) Study the following shapes.



(i) State the letter of the shape that is a pentagon.

Answer (d)(i).....[1]

(ii) State the letter of the shape that is a trapezium.

Answer (d)(ii).....[1]

22 Work out the following.

(a) $7.4 - 0.83$

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

(b) $4\frac{4}{11} + 2\frac{2}{11}$

Answer (b).....[2]

(c) $1.35 \div 1000$

Answer (c).....[2]

(d) 56×23

Answer (d).....[3]

- 23 (a) During the 2012 Olympic Games held in London, Tsephe did a survey to see which track and field events the learners in his school liked to watch.

He drew this graph to show his results.

Types of events	Number of Learners
High jump	∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅
Sprinting	∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅
Javelin	∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅
Marathon	∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅ ∅

Key: ∅ = 4 learners

∅ = 2 learners

- (i) What was the most popular event?

Answer (a)(i).....[1]

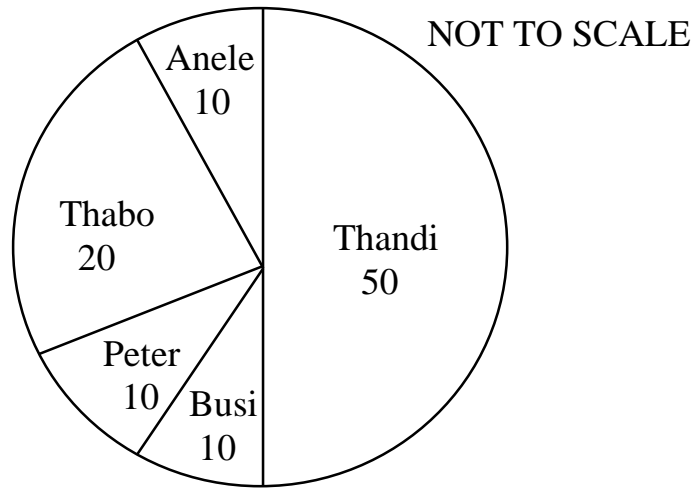
- (ii) What was the least popular event?

Answer (a)(ii).....[1]

- (iii) How many learners chose javelin?

Answer (a)(iii).....[1]

- (b) The pie chart shows how 100 marbles were shared amongst a group of children.



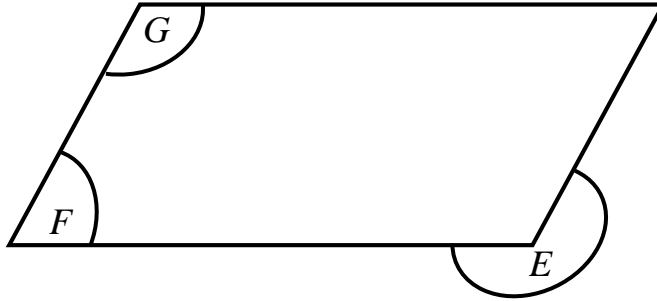
- (i) Name the children who got the same number of marbles?

Answer (b)(i).....
.....[1]

- (ii) What is the sector angle of marbles given to Thabo?

Answer (b)(ii).....[2]

24 The diagram shows angles E , F and G .



(a) Name the types of angles E , F and G .

(i) Angle E

Answer (a)(i).....[1]

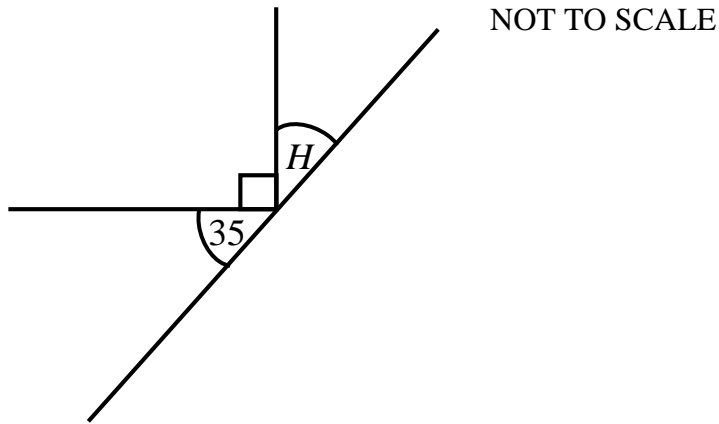
(ii) Angle F

Answer (a)(ii).....[1]

(iii) Angle G

Answer (a)(iii).....[1]

- (b) Calculate the size of angle H .



Answer (b) $H = \dots\dots\dots$ [3]

- 25 (a) The volume of water in a tank is 60 litres.
How much water is left after 6.7 litres of water is taken out?

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

- (b) Robert buys some apples.
He puts the apples in a basket.
The mass of the empty basket is 200 g.
The mass of the basket and the apples is 2 kg.

What is the mass of the apples?

Answer (b).....[3]

- 26 (a) Mr Nkomo borrowed E20 000 from the bank.
He was charged 16% interest per year.

How much interest will he pay at the end of a year?

Answer (a).....[3]

- (b) Mandlenkosi has E100.
He spends E13.95 on a box of crayons.

Calculate the amount of money left.

*Answer (b)*E.....[2]

- 27** Mrs Sibandze is a typist.
She can type 9 pages in 27 minutes using her laptop.

(a) Find the time she takes to type 1 page.

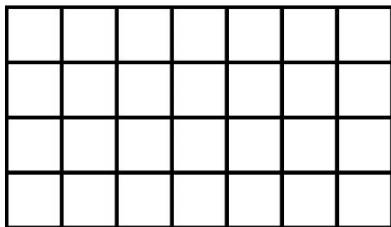
Answer (a).....minutes [2]

(b) Calculate the number of pages she types in 54 minutes.

Answer (b).....pages [3]

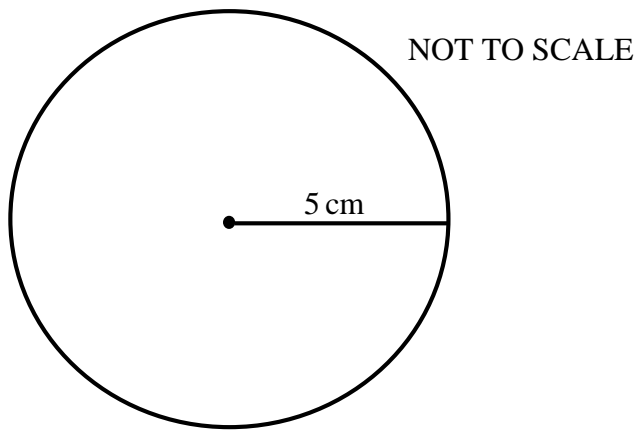
- 28** (a) Each square is 1 cm by 1 cm in the following rectangle.

Calculate the area of the rectangle.



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

(b) Find the circumference of the following circle.



Answer (b).....[3]

- 29 (a)** Sipiwe worked for 7 days in July.
Nompumelelo worked for 5 days in August.
They were paid at the same rate per day.
Together they were paid E1440.

How much money did Sipiwe get ?

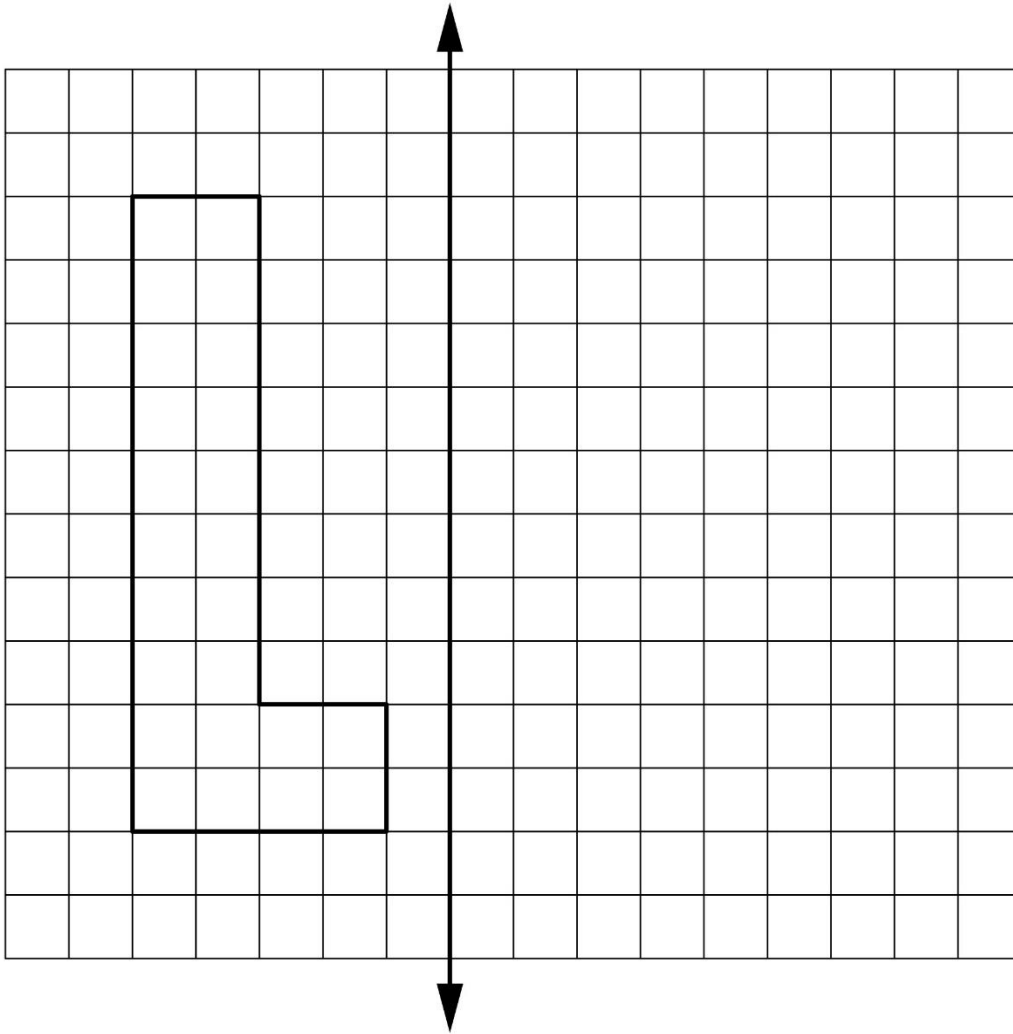
*Answer (a)*E.....[3]

- (b)** In a furniture shop some tables have 3 legs and others have 4 legs.
The total number of legs for these tables is 29.

Find the number of three and four legged tables in the furniture shop.

Answer (b).....three legged tables and four legged tables [4]

30 Draw the reflection of the L – shape using the arrow line.



[4]

BLANK PAGE

*For
Examiner's
Use*

BLANK PAGE

*For
Examiner's
Use*

BLANK PAGE

*For
Examiner's
Use*

Permission to reproduce items where third party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (ECESWA) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.