



EXAMINATIONS COUNCIL OF ESWATINI  
Eswatini Primary Certificate

CANDIDATE  
NAME

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CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**MATHEMATICS**

**212/01**

PAPER 1

**October/November 2021**

**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	
31	
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 **10**.

**EXAMPLE:**

**40** Work out  $2 \times 7$

**A** 9

**B** 14

**C** 5

**D** 27

Answer:

	A	B	C	D
40		<del></del>		

**1** Choose the symbol that makes the following a true statement:

$$14 \quad \underline{\hspace{1cm}} \quad 24$$

**A**  $>$

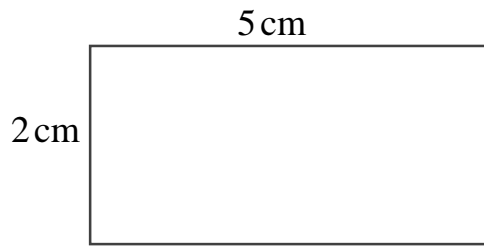
**B**  $<$

**C**  $=$

**D**  $+$

3

2 What is the area of the rectangle below?



**A**  $10 \text{ cm}^2$

**B**  $7 \text{ cm}^2$

**C**  $14 \text{ cm}^2$

**D**  $10 \text{ cm}$

3 Seven hundred and thirty-nine thousandths can be written as

**A** 739 000

**B** 7039

**C** 0.739

**D** 0.0739

4 In its simplest form  $\frac{35}{42}$  is

**A**  $\frac{1}{3}$

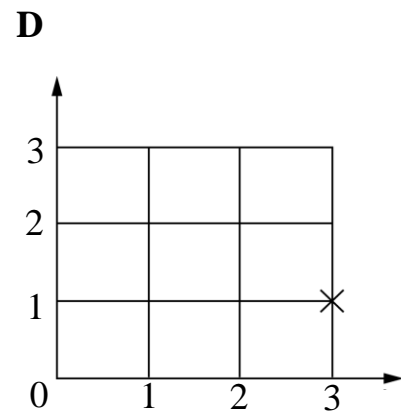
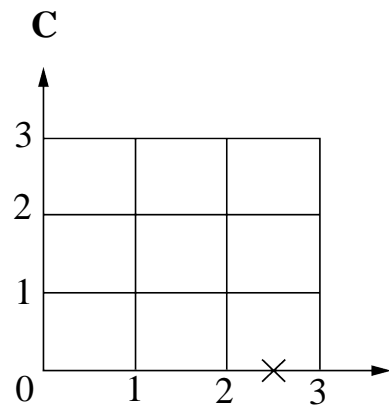
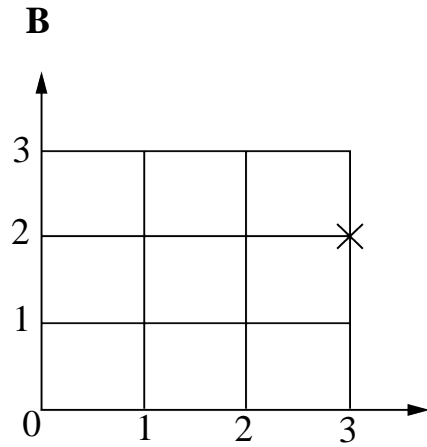
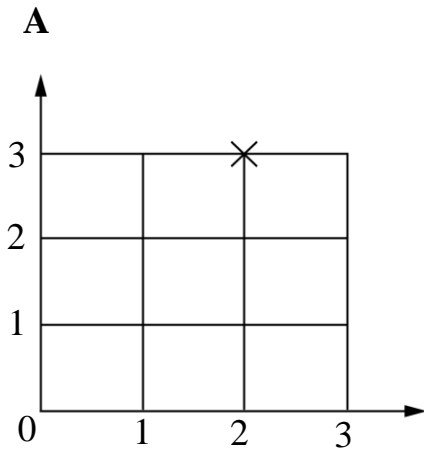
**B**  $\frac{5}{6}$

**C**  $\frac{7}{21}$

**D**  $\frac{1}{2}$

4

5 Which graph shows the ordered pair (2, 3) plotted correctly?



6 When 75 kilometres is changed to metres it is equal to

**A** 75 000 m

**B** 0.75 m

**C** 750 m

**D** 7 500 m

- 7 The division of a whole number  $N$  by 3 gives a quotient of 5 and a remainder of 1.

What is the whole number  $N$ ?

- A 8
- B 9
- C 15
- D 16
- 8 Two angles of a triangle measure  $80^\circ$  and  $40^\circ$ .  
Which of the statements about the triangle is true?
- A It is an isosceles triangle.
- B The third angle measures  $60^\circ$ .
- C It has one line of symmetry.
- D It is a quadrilateral.
- 9 A small concrete dam can be filled with 2 280 litres of water.  
The dam is filled using buckets that each hold 8 000 millilitres of water.  
How many buckets are needed to fill the dam?
- A 210
- B 28 500
- C 285
- D 0.285

**10** Look carefully at the list of numbers below.

11, 22, 22, 44, 77, 11, 22, 88, 55, 77, 66

Which number from the list is the mode?

**A** 11

**B** 22

**C** 45

**D** 77

**11** The LCM of the denominators for the fractions  $\frac{2}{3}$ ,  $\frac{5}{9}$  and  $\frac{7}{12}$  is

**A** 18

**B** 24

**C** 36

**D** 72

**12** The area of a farm is 7 230 **ares**.

What is the area of the farm in hectares?

**A** 723 hectares

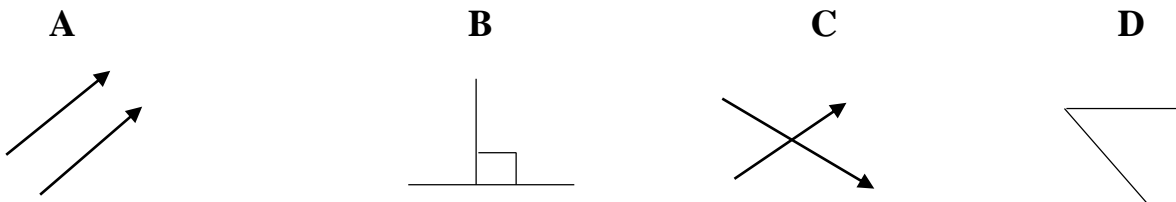
**B** 72.3 hectares

**C** 723 000 hectares

**D** 7.23 hectares

- 13** The faces of a triangular pyramid consist of
- A** two triangles and three rectangles
  - B** one square and three triangles
  - C** two rectangles and three triangles
  - D** four triangles

- 14** Which pair of lines is perpendicular?

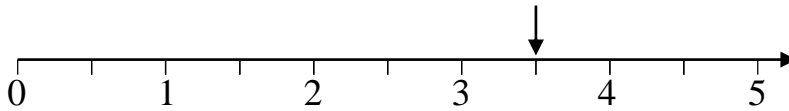


- 15** Nomphilo leaves home at 1535 hours and walks for 30 minutes to the shop.  
At what time did she get to the shop?
- A** 1605 hours
  - B** 1410 hours
  - C** 1505 hours
  - D** 1565 hours

- 16** The number 843 in expanded form is
- A**  $800 + 43$
  - B**  $800 + 4 + 3$
  - C**  $8 \times 1000 + 4 \times 10 + 3$
  - D**  $8 \times 100 + 4 \times 10 + 3 \times 1$

8

- 17 The number line below has numbers from 0 to 5.

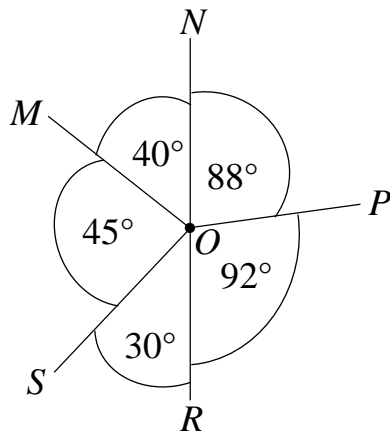


At what number is the arrow pointing?

- A** 3.1
- B** 3.2
- C** 3.5
- D** 3.9
- 18 The mass of one can of beans is 500 grams.  
A bag contains 24 cans of beans.  
What is the total mass of the cans in the bag in kilograms?
- A** 1.2 kg
- B** 112 000 kg
- C** 120 kg
- D** 12 kg
- 19 A polygon that has 7 sides is called
- A** a heptagon
- B** a pentagon
- C** an octagon
- D** a hexagon



- 20 The diagram below shows angles around point  $O$ .



NOT TO SCALE

Which of the following angles is **NOT** an acute angle?

- A Angle  $MON$
- B Angle  $NOP$
- C Angle  $POR$
- D Angle  $MOS$

**SECTION A MULTIPLE CHOICE ANSWER GRID**

<b>Question number</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				
<b>7</b>				
<b>8</b>				
<b>9</b>				
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<b>17</b>				
<b>18</b>				
<b>19</b>				
<b>20</b>				

**11**  
**SECTION B (60 marks)**

Answer **all** questions.

**21** Sebenele bought a watch at E130.00.

He sold the watch to Phiwa at E150.00.

**(a)** How much profit did Sebenele make?

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

**(b)** Phiwa later sold the watch at E120.00.

**(i)** Calculate the loss that Phiwa made by selling the watch.

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

**(ii)** Calculate the percentage loss for Phiwa.

*Answer (b)(ii)* .....% [3]

22 (a) Look carefully at the number pattern below:

1, 2, 4, 8, 16, ...

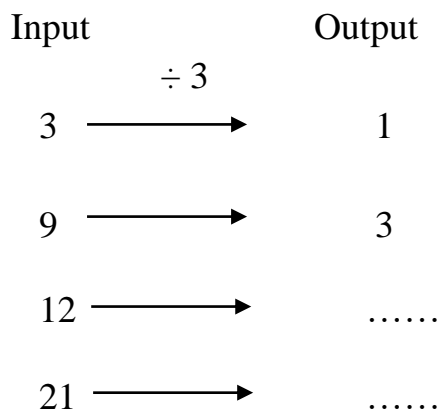
(i) State the rule for the number pattern.

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

(ii) Write the next three numbers in the pattern.

*Answer (a)(ii)* ....., ....., ..... [3]

(b) Complete the mapping diagram below



[2]

23 Work out the following:

(a) 30 070 – 30.05

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

(b)  $18 - 10 \div 2$

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

(c)  $0.06 \div 100$

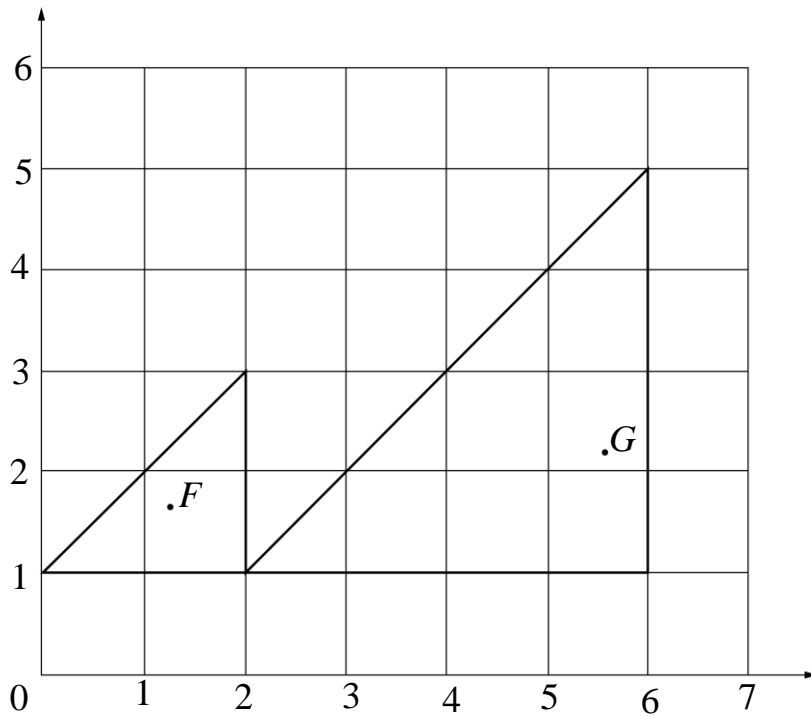
*Answer (c)* ..... [1]

(d)  $2\frac{2}{5} + 1\frac{1}{5}$

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

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24 The diagram shows triangle  $F$  and its image  $G$ .



Describe the **single** transformation that maps  $F$  onto triangle  $G$ .

Answer .....

..... [2]

**25** A class was asked to name their favourite subject.

Their choices were recorded as decimal fractions.

0.25 like Science

0.3 like English

0.1 like Social Studies

The rest like Maths

**(a)** Write the decimal fraction for the students who like Maths.

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

**(b)** There are 24 students in the class.

How many students like Science?

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

**26** A rectangular paper has a length of 7 cm and a perimeter of 20 cm.

Work out the width of the paper.

*Answer* .....cm [3]

27 Given the list of numbers below:

5      21      7      1      2

Choose **one different** number to answer each question.

(a) A factor of 10

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

(b) An even number

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

(c) a prime number

*Answer (c)*..... [1]

(d) A multiple of 7

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

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28 (a) How many weeks are in 2 years?

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

(b) Write the place value of 8 in 58 190.

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

(c) Round off 1 755 to the nearest 100.

*Answer (c)* ..... [1]



- (d) What is the most appropriate unit to measure the mass of sugar transported by a big lorry from Eswatini to other countries?

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

- (e) Mancoba saves E130 of his pocket money every month, from January to December.

- (i) How much will he save in one year?

*Answer (e)(i) E* ..... [2]

- (ii) In December, he decides to take his total savings to a bank that offers 10% simple interest per year.

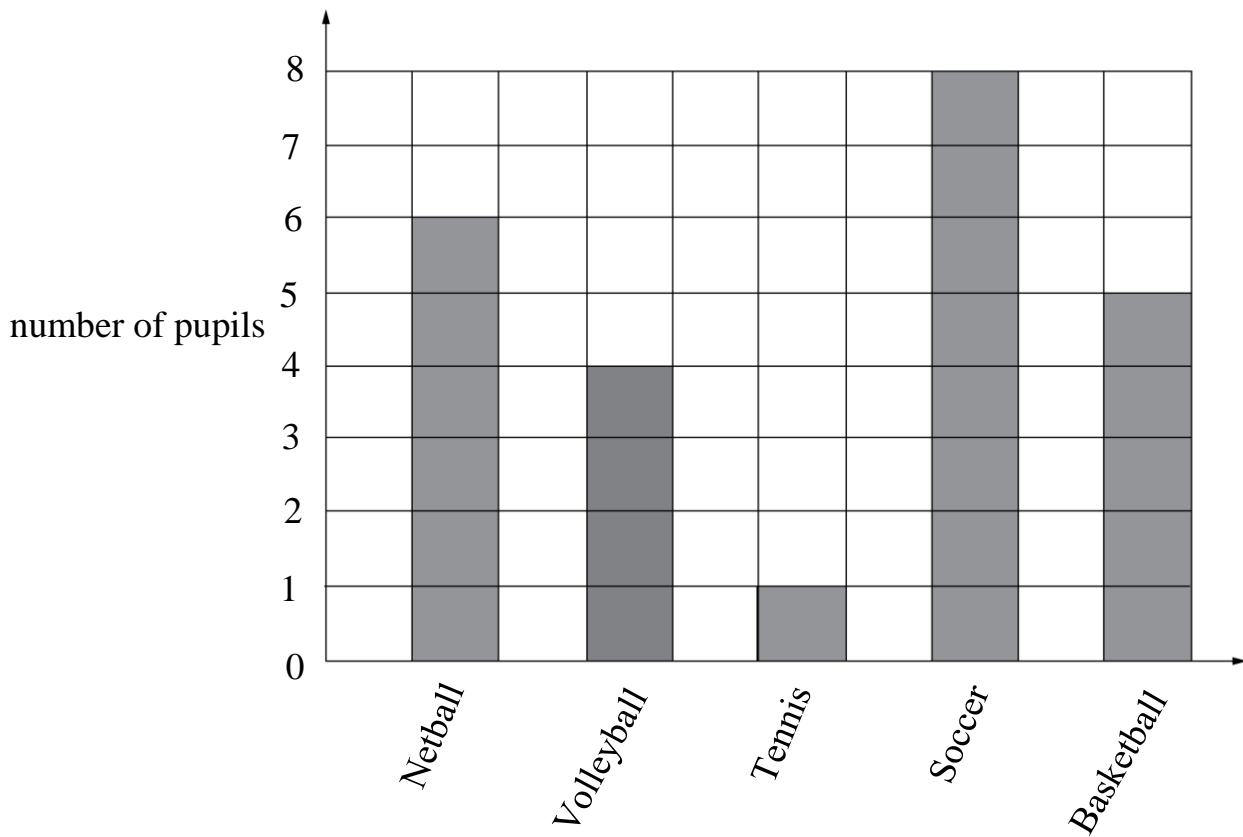
How much interest will he receive after a year?

*Answer (e)(ii) E*..... [2]

29 Pupils in a Grade 7 class were asked to state their favourite sporting activity.

The information is presented in a bar graph as shown below.

Favourite sporting activity for pupils



(a) Which sport is liked by the most number of pupils?

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

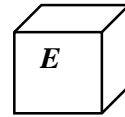
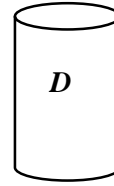
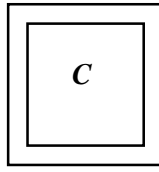
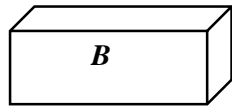
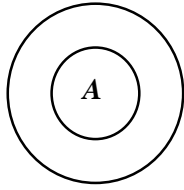
(b) Find the total number of pupils who like volleyball and soccer.

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

(c) Calculate the total number of pupils in the Grade 7 class.

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

30 (a) The diagrams below show different shapes.



Write the correct letter in each of the following:

(i) A cuboid

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

(ii) A cylinder

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

(iii) A cube

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

- (b) Three pupils participated in a Mathematics Expo where they presented their projects.

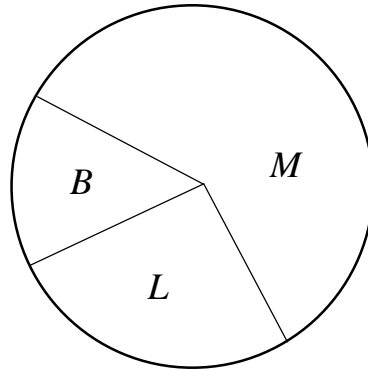
Their scores were as follows:

Mandisa = 120 points

Banele = 22 points

Luyanda = 78 points.

Their teacher presented the information in a pie chart.



NOT TO SCALE

State the region that represents the number of points for each pupil in the pie chart.

Mandisa ..... [1]

Banele ..... [1]

Luyanda ..... [1]

**31** A class of 75 pupils and 5 teachers takes a trip to a game reserve.

The entrance fee for each teacher is E20.00 and E10.00 for each pupil.

**(a)** Calculate the total cost they paid to enter the game reserve.

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

**(b)** The vehicles used in the game reserves to drive around seeing animals can only carry 12 people.

How many vehicles are needed to carry all the teachers and students?

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





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