EXAMINATIONS COUNCIL OF ESWATINI
Eswatini Primary Certificate

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER				

MATHEMATICS **212/02**

Paper 2 **October/November 2024**

2 hours

Candidates answer on the Question Paper.

Additional materials required: Geometrical Instruments
Tracing paper (optional)

READ THESE INSTRUCTIONS FIRST

Write your name, centre number and candidate number in the spaces provided.

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.

Calculators should **not** be used.

All working must be shown. It should be done on the same sheet as the rest of the answer.

Marks will be given for working which shows that you know how to solve the problem even if you get the wrong answer.

The total number of marks for this paper is 100.

For Examiner's Use	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
Total	

This document consists of **16** printed pages.

1 The expanded form of a certain number is: 7 000 + 600 + 3 + 0.05

(a) Write the place value of the following digits in the number.

(i) 7

Answer (a)(i) ……...… [1]

(ii) 5

Answer (a)(ii) ……...…… [1]

(b) Write the number in words.

Answer (b) ……..

……...…….…... [2]

---

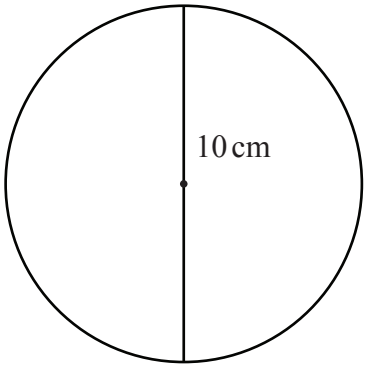
2 **(a)** Use <, > or = to make each of the following sentences correct.

(i) 0.4 Million ……. 600 000 [1]

(ii) 2.4 …… 2.198 [1]

(iii) 16 kg of nails ……... 16 kg of feathers [1]

(b) Figure 2.1 shows a circle with a diameter of 10 cm.



NOT TO SCALE

Fig. 2.1

Calculate the approximate circumference of the circle.

Answer (b) ……cm [2]

---

3 Work out each of the following.

(a) 49 731 − 8 697

Answer (a) ……..…… [2]

(b) $4 - 2\frac{4}{7}$

Answer (b) ……..…… [3]

(c) 2 481 × 65

Answer (c) ……...……..……..… [3]

[Turn over

4 Study the pattern:
2, 6, 18, …

(a) Write the rule for the pattern.

Answer (a) ……..…… [1]

(b) Calculate the next three terms in the pattern.

Answer (b) ……..…,……,…….. [3]

5 The following data shows the number of chickens raised by 5 learners in their Agriculture project.

1 5 6 5 3

(a) Find the mode of the number of chickens.

Answer (a) ……..…..…….. [1]

(b) Work out the total number of chickens.

Answer (b) ……..….. [2]

(c) The learners shared the chickens equally.

Calculate the number of chickens each learner gets.

Answer (c) ……..……..…… [2]

[Turn over

6 Sipho takes part in a 15 000 m race.

(a) Change 15 000 m to kilometres.

Answer (a) ……..……...…km [2]

(b) Sipho got injured and stopped after running 12 km.

Calculate the percentage of the distance he ran.

Answer (b) ……...……% [3]

(c) The race started at 5.45 a.m.

When Sipho stopped running the time was 11.20 a.m.

Work out the amount of time he took to run.

Answer (c) ……..…….... [3]

7 A potter makes pots using a certain metal.

He uses $\frac{2}{5}$ kg of metal to make each pot.

(a) Calculate the mass of metal he uses to make 90 pots.

Answer (a) ……..……kg [2]

(b) The potter buys the metal in 8 kg bags.

Work out the number of bags he needs to make 90 pots.

Answer (b) …….. [3]

(c) The potter got E12 642 from selling 49 pots.

Calculate the selling price for each pot.

Answer (c) E..…….. [3]

8 Fig. 8.1 shows a marked angle.

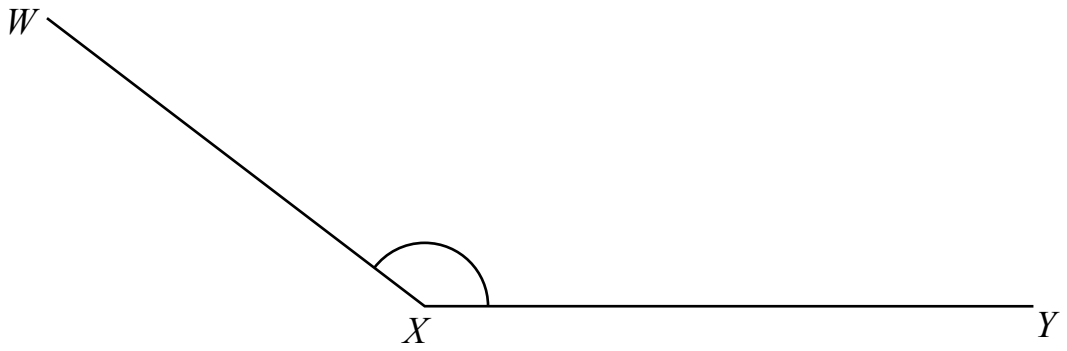


Fig. 8.1

(a) Using the letters on the diagram, name the marked angle.

Answer (a) …….. [1]

(b) Measure the size of the marked angle.

Answer (b) ……..…° [1]

(c) Bisect the marked angle. [3]

(d) Mark Z on the bisector such that $XZ = 8$ cm. [2]

(e) Join Y to Z to form triangle XYZ. [1]

9 Calculate the following.

(a) $\frac{3}{4}$ of a day in hours.

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

(b) $26 - 5 \times 3$

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

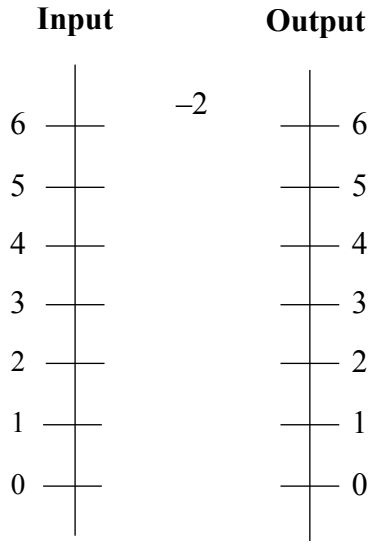
[Turn over

10 (a) Divide and give your answer as a mixed number.

209 ÷17

Answer ……..…… [3]

(b) Complete the following arrow diagram.



[3]

11 There were 37 468 fans in certain netball match.

(a) Each fan paid E45 to watch the match.

Work out the total amount of money paid by the fans.

Answer (a) E…….. [3]

(b) The fans were wearing either black or yellow shirts.
19 275 fans were wearing black shirts.

Calculate the number of fans who wore yellow shirts.

Answer (b) ....…….. [3]

[Turn over

12 A security company recorded the amount it pays its officers as shown in the table.

Number of Officers	1	2	3	4	…
Amount paid (E)	3 600	7 200	10 800		…

(a) Work out the amount the company pays 4 officers.

Answer (a) E…….. [2]

(b) Calculate the number of officers the company can pay with E21 600.

Answer (b) …….. [3]

(c) The company budgets E40 000 as salary for 12 officers.

Will this amount be enough?

Justify your answer.

Answer (c) ……..…….....

……..……..

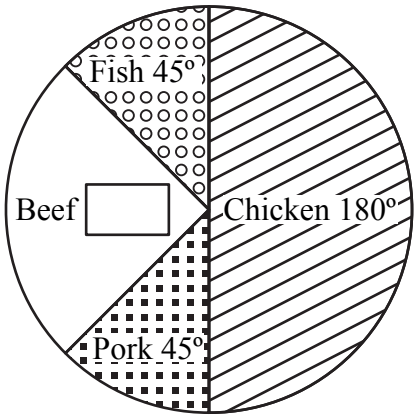
……..……..

……..……..

……...…… [4]

13 The following pie chart shows the favourite type of meat of 40 learners in a certain class.

Type of meat liked by learners in a certain class



(a) Which type of meat is liked by most learners in the class?

Answer (a) ……..… [1]

(b) Work out the angle of the sector for learners who like beef in the class.

Answer (b) ……..…° [2]

(c) What fraction of learners like pork in its simplest form?

Answer (c) ……..… [2]

(d) Calculate the number of learners who like fish.

Answer (d) ……. [3]

[Turn over

14 (a) Work out.

$$3\frac{2}{5} \times \frac{1}{7}$$

Answer (a) ……..…… [2]

(b) Lusiwe has 3.4 tonnes of maize.
She eats 1.85 tonnes of the maize.

Work out the mass, **in kilograms**, of maize she is remaining with.

Answer (b) …….. [3]

(c) Together James and Nelly used 27 litres of water in a week.
James used 5 litres of water less than Nelly.

Calculate the amount of water Nelly used in the week.

Answer (c) …….. [3]

15 Fig 15.1 shows a prism.

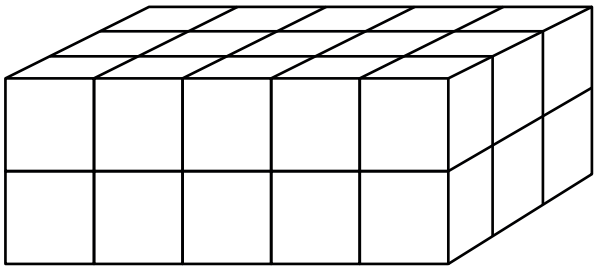


Fig 15.1

(a) State the name of the prism.

Answer (a) ……...…….. [1]

(b) Work out the volume of the prism.

Answer (b) ……...…..cubes [2]

[Turn over

16 Figure 16.1 shows shape *M* on a coordinate diagram.

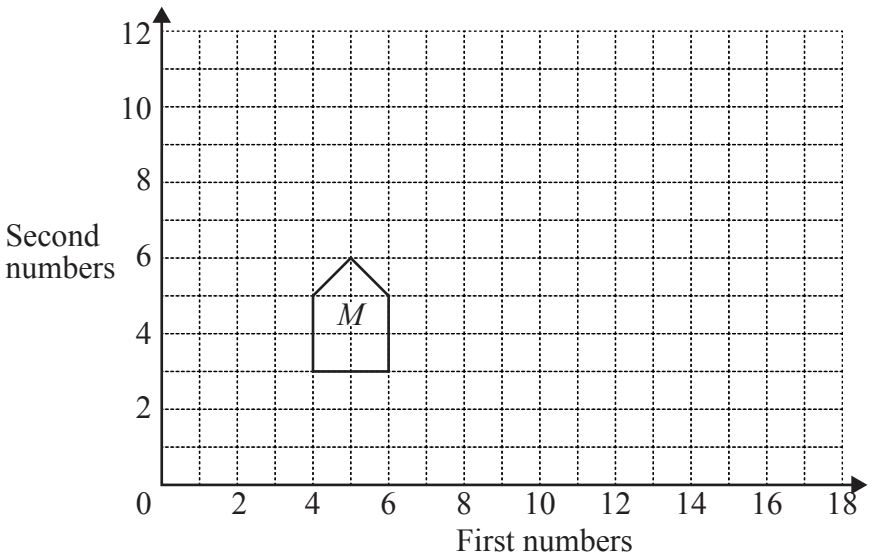


Fig. 16.1

(a) Name shape *M*.

Answer (a) ……...……..… [1]

(b) Plot the points *X* (8, 1) and *Y* (8, 10).

Join the points to form line segment *XY*. [2]

(c) Reflect shape *M* using the line segment *XY* as mirror line.

Label the image *N*. [3]