

EXAMINATIONS COUNCIL OF SWAZILAND
Swaziland Primary Certificate Examination

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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MATHEMATICS

212/01

Paper 1

November 2018

1 hour 30 minutes

Candidates answer on the Question Paper

Additional Materials: Tracing paper
Geometrical instruments

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces.

Write in dark blue or black pen.

Write your answer to each question in the spaces provided.

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

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

This paper consists of two sections: Section **A** and Section **B**.

Answer **all** questions in both sections.

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

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

The total number of marks for this paper is 100.

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

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

SECTION A [40 Marks]

Answer **all** questions in this section.

In this section, cross the correct option only on the **Answer Grid** provided.

EXAMPLE:

Question: Work out $50 + 4$

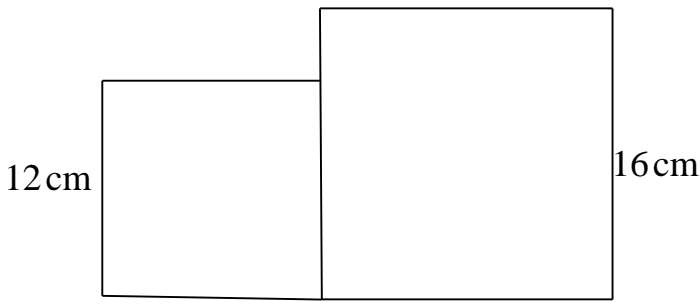
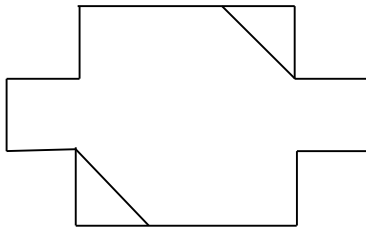
- A** 4
B 46
C 50
D 54

Answer:

A	B	C	D
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QUESTION COLUMN	ANSWER COLUMN
<p>1 What is the difference between 21 and 11?</p>	<p>A 1 remainder 10 B 10 C 32 D 231</p>
<p>2 Which of the following is the same as 5006 cm?</p>	<p>A 5 m 6 cm B 5 m 60 cm C 50 m 6 cm D 50 m 60 cm</p>
<p>3 Expressed as a decimal, $\frac{4}{5}$ is equal to...</p>	<p>A 0.008 B 0.08 C 0.80 D 1.25</p>

<p>4 Which of the letters below does not have parallel lines?</p> <p>E, M, F, A</p>	<p>A E</p> <p>B M</p> <p>C F</p> <p>D A</p>
<p>5 What is $\frac{6}{10}$ hours expressed in minutes?</p>	<p>A 36 minutes</p> <p>B 60 minutes</p> <p>C 180 minutes</p> <p>D 216 minutes</p>
<p>6 Which of the following are factors of 45?</p>	<p>A 1 and 4</p> <p>B 4 and 5</p> <p>C 5 and 9</p> <p>D 7 and 15</p>
<p>7 When 294 is rounded off to the nearest Ten is...</p>	<p>A 29</p> <p>B 280</p> <p>C 290</p> <p>D 300</p>
<p>8 Which fraction is equivalent to $\frac{4}{7}$?</p>	<p>A $\frac{4}{35}$</p> <p>B $\frac{8}{14}$</p> <p>C $\frac{16}{49}$</p> <p>D $\frac{20}{7}$</p>

<p>9 What is 7 Tens 3 Ones 4 tenths and 2 thousandths is equal to?</p>	<p>A 73.042 B 73.402 C 703.042 D 703.420</p>
<p>10 The figure below is made up of 2 joined squares. What is the perimeter of the figure?</p> <p style="text-align: center;">NOT TO SCALE</p> 	<p>A 28 cm B 84 cm C 88 cm D 112 cm</p>
<p>11 How many lines of symmetry does the figure below have?</p> 	<p>A 4 B 2 C 1 D 0</p>

<p>12 Which sum is equal to $\frac{3}{12}$?</p>	<p>A $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$</p> <p>B $\frac{1}{6} + \frac{1}{12}$</p> <p>C $\frac{1}{3} + \frac{2}{9}$</p> <p>D $\frac{2}{3} + \frac{1}{4}$</p>
<p>13 Find the value of $28 \div 2 + 2 \times 6 - 5$</p>	<p>A 16</p> <p>B 21</p> <p>C 37</p> <p>D 91</p>
<p>14 When a number is divided by 5, the quotient is 8 and the remainder is 3.</p> <p>What is the number?</p>	<p>A 24</p> <p>B 29</p> <p>C 40</p> <p>D 43</p>
<p>15 Musa is 8 years older than Vusi. Vusi is 10 years old now.</p> <p>What is their total age?</p>	<p>A 18 years</p> <p>B 28 years</p> <p>C 38 years</p> <p>D 48 years</p>
<p>16 A shopkeeper gets E10.00 by selling 5 oranges. How many oranges must he sell to get E70.00?</p>	<p>A 7</p> <p>B 14</p> <p>C 35</p> <p>D 50</p>

<p>17 What is $\frac{6}{25}$ as a percentage?</p>	<p>A 0.024 % B 0.24 % C 2.4 % D 24.0 %</p>
<p>18 The number that appears the most in a set of numbers is called the</p>	<p>A sum B mode C median D commutative</p>
<p>19 Which of the following statement is <u>not</u> correct?</p>	<p>A An even number can be divided equally by 2. B 30 can be divided by 2, so 30 is an even. C Any number that ends with 0 is an odd number. D Odd numbers give a remainder when divided by 2.</p>
<p>20 In a School, there are 930 pupils. The pupils are divided into 30 teams. In each of the teams there are 21 girls. How many boys are there altogether?</p>	<p>A 31 B 51 C 300 D 630</p>

SECTION B [60 Marks]Answer **all** questions in this section. Show all necessary working.

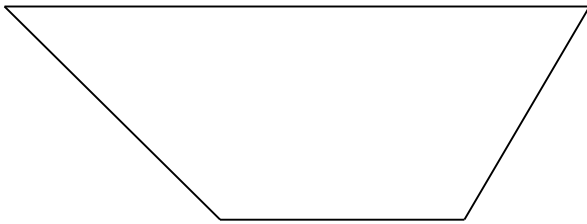
Question Column	Answer Column
<p>21 Work out the following:</p> <p>(a) $\begin{array}{r} 2357 \\ + 4078 \\ \hline \end{array}$</p> <p>(b) $4.731 - 0.02$</p> <p>(c) $97.35 \div 1000$</p> <p>(d) $\frac{1}{9} \times \frac{2}{3}$</p>	<p>(a) [2]</p> <p>(b) [3]</p> <p>(c) [3]</p> <p>(d) [2]</p>

22 Write the following as a number sentence.

Our school ground has twelve trees.
 On our fund raising day we planted double the number of trees.
 Three trees dried up and we were left with thirty three trees.

..... [2]

23 (a) Study the figure below and answer the questions that follow.



(i) How many sides does the figure have?

(a)(i) [1]

(ii) In the figure above, how many angles are more than 90° ?

(ii) [1]

(b) Calculate the circumference of a circular field whose radius is 5 cm.

(b) [2]

<p>24 (a) Write Four Million, Twenty Two Thousand and Eleven in numeral form.</p> <p>(b) Arrange the following numbers starting with the largest: 0.503, $\frac{2}{5}$, 0.53, 3.05, 0.0503</p> <p>(c) Express 9 months as a fraction of 3 years in the simplest form.</p>	<p>(a) [2]</p> <p>(b) [2]</p> <p>(c) [3]</p>
<p>25 (a) Samu bought a toy car at E125 and sold it to Mazwi at E138.</p> <p>What was his profit?</p>	<p>(a) [2]</p>

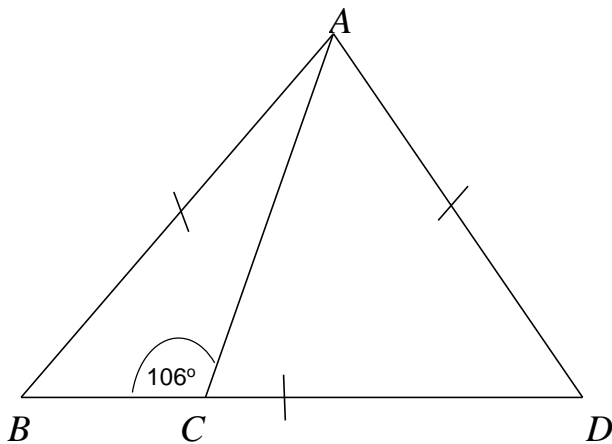
(b) Thembi has E2550 in her savings account.
The bank pays her an annual interest of 2%.

How much will she have in her savings account after a year if she does not withdraw any money?

(b) [4]

26 The figure ABD below is equilateral triangle.
 C is a point on BD .
Angle ACB is equal to 106° .
Calculate angle CAD .

NOT TO SCALE



.....[4]

27 (a) A group of 7 boys shared a box of chocolates.

They each took 8 chocolates.

There were 2 chocolates left.

How many chocolates were there at first?

(a) [3]

(b) Zodwa's age is a multiple of 7.

Next year, her age will be a multiple of 4.

If Zodwa is less than 40 years old, how old will Zodwa be next year?

(b) [3]

28 (a) There are 10 pupils standing in a line.
They are standing 12 metres apart from each other.

What is the distance between the 5th and 9th pupil?

(a) [3]

(b) A bottle contained $\frac{9}{10}$ litres of milk.

Mbuso drank $\frac{1}{6}$ of this amount.

How many litres of milk did he drink?

(Leave your answer as a fraction in its simplest form.)

(b) [3]

(c) A movie ended at 9.05 a. m.
 The movie was 2 hours 25 minutes long.
 At what time did the movie start?

(c) [3]

29 (a) The graph below shows the number of pupils in a class who went to Durban for the past 5 months.

June	▲
July	▲ ▲ ▲
August	▲ ▲ ▲ ▲ ▲ ▲
September	▲ ▲ ▲ ▲
October	▲ ▲

Key: each ▲ stands for 3 pupils

(i) How many more pupils went to Durban in August than in June?

(a)(i) [3]

(ii) How many pupils went to Durban before September?

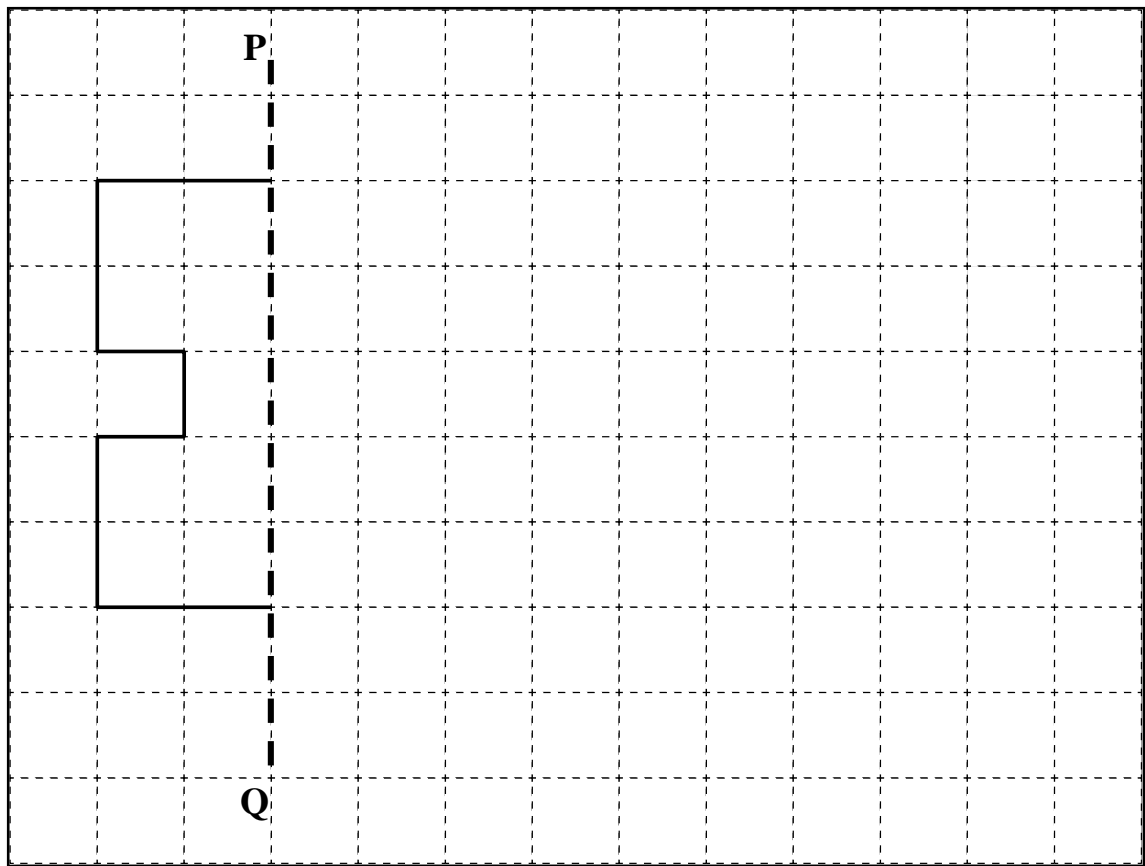
(ii) [3]

(b) What is the median of the test scores below?

22, 32, 24, 30, 28, 26

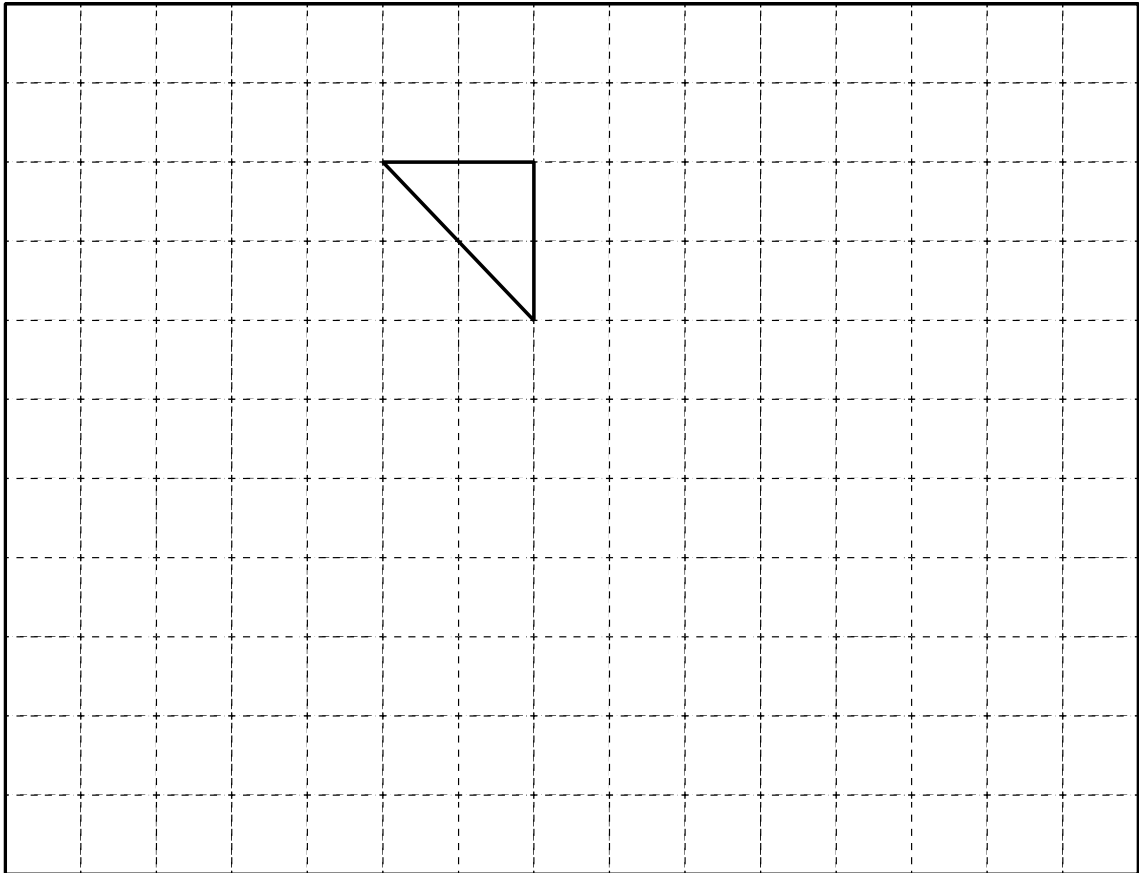
(b) [2]

30 (a) Given that the dotted line PQ is a mirror line, complete the figure below:



[2]

(b) Slide the figure below, 3 right and 4 down.



[2]