



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
GRADE SEVEN EXAMINATION

MATHEMATICS
PAPER 1

702/1

SPECIMEN PAPER

Time: 2 hours

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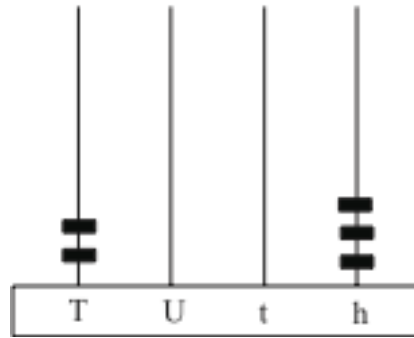
INSTRUCTIONS TO CANDIDATES

1. Read **all** the instructions carefully.
2. **Do not** open this booklet until you are told to do so by the invigilator.
3. Use only an HB pencil for all entries on the answer sheet.
4. When you are told to start, choose **one** correct answer from the suggested answers and shade it **very dark** as shown in the examples at the top of the answer sheet.
5. If you wish to change your answer, **erase it completely** with a pencil rubber and then shade the new choice.
6. If **more** than **one** box is shaded for any one answer, that answer will be regarded as **wrong**.
7. **If you do not understand** the instructions, **ask** the invigilator to explain them to you **before you start**.
8. Answer **all** the questions on the separate answer sheet provided.
9. Rough paper will be provided.

This specimen paper consists of 9 printed pages and 3 blank pages.

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1



The number shown on the abacus above is

- A** 2,003.
- B** 20,03.
- C** 200,3.
- D** 2003.

2 Which of the following is a square number?

- A** 3
- B** 5
- C** 9
- D** 12

3 The missing number in the number pattern 3, 6, 9, 12, 15, □, 21, 24 is

- A** 17.
- B** 20.
- C** 19.
- D** 18.

4 0,7 as a percentage is

- A** 7.
- B** 70.
- C** 0,7.
- D** 70,7.

5 A mass of 8,007 kg expressed in grammes is

- A** 80,07.
- B** 8007.
- C** 800,7.
- D** 80070.

6 $\frac{9}{12}$ in its lowest terms is

A $\frac{3}{4}$.

B $\frac{18}{24}$.

C $\frac{4}{3}$.

D $\frac{3}{6}$.

7 $12,86 + 0,7$ correct to one decimal place is

A 14,00.

B 14,6.

C 13,6.

D 13,56.

8 3007 cents in dollars is

A \$3,70.

B \$30,07.

C \$3,07.

D \$300,70.

9 How many sides has an octagon?

A 5

B 6

C 7

D 8

10 A pair of shoes is marked \$25,00. If 10% discount is offered for cash, then the discount price for the shoes is

A \$23,75.

B \$26,25.

C \$ 2,50.

D \$20,00.

11 $0,4 \times 0,4 \times 0,4 =$

A 0,064.

B 0,640.

C 6,400.

D 64,000.

12 $8 - 10 + 7 =$

- A** 5.
- B** 9.
- C** 11.
- D** 25.

13 Rutendo is facing North. She turns through $2\frac{1}{2}$ right angles in the anti-clockwise direction. She is now facing

- A** South east.
- B** North east.
- C** North west.
- D** South west.

14 If 524 is decreased by 79, the result is

- A** 445.
- B** 545.
- C** 593.
- D** 603.

15 A shopkeeper bought an article for \$20,00 and sold it for \$16,00. His percentage loss was

- A** 40%.
- B** 20%.
- C** 80%.
- D** 25%.

16 $4\frac{3}{4} - \frac{5}{6} + 1\frac{1}{4} =$

- A** $2\frac{2}{3}$.
- B** $3\frac{11}{12}$.
- C** $5\frac{1}{6}$.
- D** $5\frac{1}{4}$.

17 How many lines of symmetry does equilateral triangle have?

- A** 1
- B** 2
- C** 3
- D** 4

18 $405 - 299 =$

- A** 216
- B** 204
- C** 206
- D** 106

19 $3,09 + 1,2 =$

- A** 2,89
- B** 2,97
- C** 4,29
- D** 3,21

20 $1\frac{1}{4} - \frac{3}{5} \times 2 =$

- A** $\frac{1}{20}$.
- B** $\frac{13}{20}$.
- C** $1\frac{3}{10}$.
- D** $1\frac{9}{20}$.

21 Four boys shared 428 sweets equally.
Each boy got

- A** 17.
- B** 102.
- C** 104.
- D** 107.

22 $\frac{1}{2} \div \frac{1}{4} =$

- A** $\frac{1}{3}$.
- B** 8.
- C** $\frac{1}{8}$.
- D** 2.

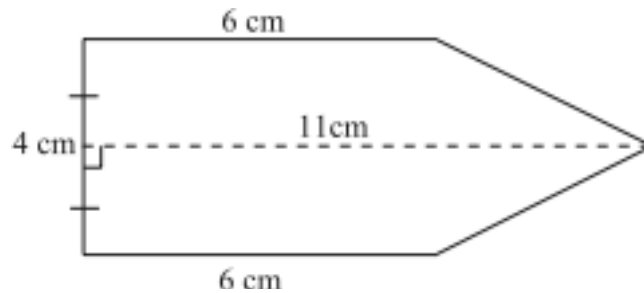
23 Chido had \$5,00. It was made up of 50c coins.
How many 50c coins did he have?

- A** 4
- B** 5
- C** 8
- D** 10

[Turn over

- 24** Mr Nyoni's account had \$500. He deposited \$350 and withdrew \$475.
His new balance is
- A** \$375
 - B** \$625
 - C** \$825
 - D** \$850
- 25** How many 3 cm cubes will exactly fit in a box measuring 12 cm by 9 cm by 6 cm?
- A** 24
 - B** 27
 - C** 72
 - D** 162
- 26** In a class there are 45 pupils.
If $\frac{4}{9}$ of them are boys, the number of girls in the class is
- A** 5.
 - B** 20.
 - C** 25.
 - D** 41.
- 27** 7^2 is the same as
- A** $7 \times 27 \times 2$.
 - B** 7×7 .
 - C** $7 + 7$.
 - D** $7 + 2$.
- 28** An angle of 90° is
- A** an acute angle.
 - B** a right angle.
 - C** an obtuse angle.
 - D** a reflex angle.
- 29** A motorist crossed a bridge 25 metres long in $1\frac{1}{2}$ seconds.
His average speed in km/h was
- A** 50.
 - B** 60.
 - C** 100.
 - D** 120.

30



What is the area of the shape above?

- A 34 cm^2
- B 44 cm^2
- C 66 cm^2
- D 264 cm^2

- 31 A motorist takes 2 hours 15 minutes to complete a journey.
If the motorist's average speed is 72 km/h, how long was the journey?
- A 32 km
 - B 144 km
 - C 162 km
 - D 180 km
- 32 A police officer was on duty from 10.45 pm to 7.30 am the following day.
For how long was the police officer on duty?
- A 3 hours 15 minutes.
 - B 7 hours 45 minutes.
 - C 8 hours 45 minutes.
 - D 18 hours 15 minutes.
- 33 A vendor sells goods at 5% commission.
How much commission does the vendor get after selling goods worth \$150?
- A \$157,50
 - B \$3,00
 - C \$142,50
 - D \$7,50
- 34 In 2010, Thabo was twice as old as Nomusa.
If in 2012 Nomusa was 5 years old, then in 2012 Thabo was aged
- A 4.
 - B 8.
 - C 10.
 - D 12.

[Turn over

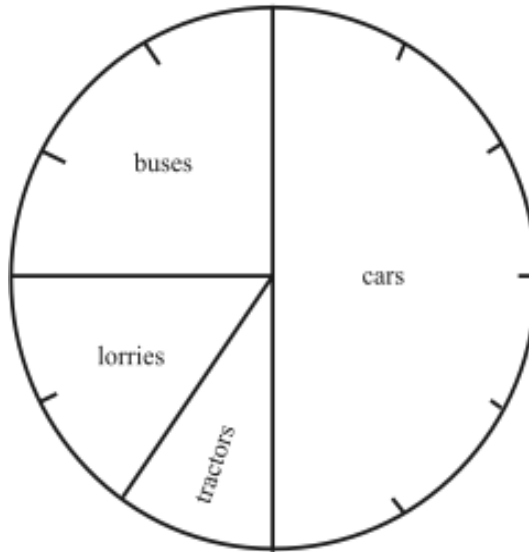
- 35** Mr Banda's rectangular garden measures 12 metres by 8 metres. He fenced it putting a pole after every metre.
How many poles did he use to fence the garden?
- A** 20
B 96
C 39
D 40
- 36** Two adults and a child shared \$60 such that each adult got an equal amount and the child half as much.
The child got
- A** \$12,00.
B \$20,00.
C \$24,00.
D \$30,00.
- 37** \$1000 is invested in a bank for $5\frac{1}{2}$ years. If simple interest is earned at a rate of 10% per year, then the total amount after $5\frac{1}{2}$ years is
- A** \$450.
B \$550.
C \$1250.
D \$1550.
- 38** The table shows the distance (in km) between business centres A, B, C, D and E.

A				
12				
16	4			
24	12	8		
31	19	17	9	
				E

The distance between C and E is

- A** 8km.
B 9km.
C 17km.
D 19km.

- 39 The pie chart shows the vehicles that passed through a business centre in an hour.



If 384 vehicles passed through the business centre, the number of buses that passed through was

- A 32.
 - B 64.
 - C 96.
 - D 192.
- 40 If the diameter of a circle is 7 cm, then its radius is
- A 3,5 cm.
 - B 24,5 cm.
 - C 14 cm.
 - D 49 cm.

