

SMZ

ZANZIBAR EXAMINATION COUNCIL

STANDARD FOUR

124

MATHEMATICS

TIME: 2 HOURS

**ANSWERS**

Year: 2018 MORNING

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### INSTRUCTIONS TO CANDIDATES

1. This paper consists of TWO (2) sections A and B
2. Answer ALL questions in section A and B.
3. Cellular phones and calculators are not allowed in the examination room.
4. All answers must be written by a blue or black pen.
5. Write your answers on the space provided.
6. Write your examination number on each page.

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*Prepared by Maria Marco for TETE A*

SECTION A (60 Marks)

Answer ALL questions in this section.

1. Write in figures “six thousand four hundred and thirty-nine.”

$$\text{Six thousand} = 6000$$

$$\text{Four hundred} = 400$$

$$\text{Thirty-nine} = 39$$

$$6000 + 400 + 39 = 6439$$

2. Find the value of  $35678 + 23783$ .

$$35678$$

$$+23783$$

$$= 59461$$

3. Convert 44 millimetres into centimetres.

$$10 \text{ millimetres} = 1 \text{ centimetre}$$

$$44 \div 10 = 4.4 \text{ centimetres}$$

4. Divide  $1/2 \div 1/8$ .

$$1/2 \div 1/8 = 1/2 \times 8/1$$

$$= 8/2$$

$$= 4$$

5. Juma bought 5 litres of milk. How many millilitres did he buy?

$$1 \text{ litre} = 1000 \text{ millilitres}$$

$$5 \times 1000 = 5000 \text{ millilitres}$$

6. A football field has a length of 800 metres and a width of 200 metres. Find the area of the field.

$$\text{Area} = \text{length} \times \text{width}$$

$$= 800 \times 200$$

$$= 160000 \text{ square metres}$$

7. The following table shows the number of candidates who sat for an examination in 2016 and 2017.

$$2016 = 456178$$

$$2017 = 495713$$

How many more candidates were there in 2017 compared to 2016?

$$495713 - 456178 = 39535$$

There were 39535 more candidates

8.

Hours Minutes

$$10 \ 25$$

$$-02 \ 11$$

$$\text{Minutes: } 25 - 11 = 14$$

$$\text{Hours: } 10 - 2 = 8$$

Answer = 8 hours 14 minutes

9. Hafsa bought 9000 grams of sugar. How many kilograms did she buy?

$$1000 \text{ grams} = 1 \text{ kilogram}$$

$$9000 \div 1000 = 9 \text{ kilograms}$$

10. What fraction of the following shape is shaded?

The shape is divided into 5 equal parts

3 parts are shaded

The shaded fraction =  $\frac{3}{5}$

11. Half of 120 is equal to

$$120 \div 2 = 60$$

12. If you cut equal pieces of wire each 20 metres long from a roll of wire measuring 100 metres, how many pieces will you get?

$$100 \div 20 = 5$$

You will get 5 pieces

13. Simplify

(i)  $5(x + 4y + x - y)$

Inside the brackets:  $x + x = 2x$ ,  $4y - y = 3y$

$$5(2x + 3y)$$

$$= 10x + 15y$$

(ii)  $x + 3y + x - 2y$

$$x + x = 2x$$

$$3y - 2y = y$$

$$\text{Answer} = 2x + y$$

14. One day has 24 hours. How many hours are there in 21 days?

$$24 \times 21 = 504$$

There are 504 hours

15. Write the number of circles shown in the following diagram.

By counting the circles in the diagram

$$\text{Total number of circles} = 9$$

### SECTION B (40 Marks)

Answer ALL questions in this section.

16.(a) Mention three types of angles.

Acute angle

Right angle

Obtuse angle

(b) Use a protractor to measure the following angles.

(i)  $60^\circ$

It is an acute angle

(ii)  $40^\circ$

It is an acute angle

17.(a) Write the total amount of money shown in the following box.

By adding all the notes and coins shown

Total amount of money = 2850 shillings

(b) Double of 156 is equal to

$$156 \times 2 = 312$$

18.(a) Our class has 800 desks. The head teacher removed 250 desks. How many desks remain now?

$$800 - 250 = 550$$

Remaining desks = 550

(b) Show the number 5432 on an abacus.

Thousands = 5

Hundreds = 4

Tens = 3

Ones = 2

19.(a) Look at the three shapes A, B, and C below. Which shape has the largest area?

By calculating the area of each shape using length  $\times$  width

Shape C has the largest area

20.(a) 2 hours + 45 minutes equals how many minutes?

$$2 \text{ hours} = 2 \times 60 = 120 \text{ minutes}$$

$$120 + 45 = 165 \text{ minutes}$$

(b) Maryam thought of a number. When it is added to 38 the answer is 60. What number did Maryam think of?

$$\text{Number} + 38 = 60$$

$$\text{Number} = 60 - 38$$

$$\text{Number} = 22$$