

SMZ

ZANZIBAR EXAMINATION COUNCIL

STANDARD FOUR

MATHEMATICS

124

TIME: 2 HOURS

ANSWERS

Year: 2019 MORNING

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

SECTION A (60 Marks)

Answer ALL questions in this section.

1. Write the names of the months that have thirty (30) days.

The months with 30 days are April, June, September, and November.

2. $95678 - 83783$

$$95678$$

$$-83783$$

$$= 11895$$

3. Simplify $\frac{1}{4} + \frac{1}{4}$

$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$$

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

4. Write the names of the angles in the following diagrams:

(i) Acute angle

(ii) Obtuse angle

5. Multiply 285×25

$$285 \times 25 = 285 \times (100 \div 4)$$

$$= 28500 \div 4$$

$$= 7125$$

6. Divide using the long division method $288 \div 16$

$$16 \times 10 = 160$$

$$288 - 160 = 128$$

$$16 \times 8 = 128$$

$$288 \div 16 = 18$$

7. Subtract 450 from 742, the answer is:

$$742 - 450 = 292$$

8. Arrange the following numbers from the smallest to the largest:

14, 3, 2, 8, 5, 10, 6, 11, 4, 7, 12, 9, 13

The correct order is:

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

9. Simplify $2(x + 3y + 2x)$

Inside the brackets: $x + 2x = 3x$

Therefore $2(3x + 3y)$

$= 6x + 6y$

10. If one kilogram of sugar is sold at 2000 shillings, how much will 9 kilograms cost?

$2000 \times 9 = 18000$ shillings

11. What should be added to $\frac{1}{3}$ to obtain $\frac{1}{2}$?

$\frac{1}{2} - \frac{1}{3}$

$= \frac{3}{6} - \frac{2}{6}$

$= \frac{1}{6}$

Add $\frac{1}{6}$

12. Convert 3 kg 190 g into grams.

1 kg = 1000 g

3 kg = 3000 g

$3000 \text{ g} + 190 \text{ g} = 3190 \text{ g}$

13. Write the total amount of money shown below.

By adding all the notes and coins shown in the picture

Total amount of money = 54,000 shillings

14. Write the time shown on the clock face below.

The short hand is on 4 and the long hand is on 12

The time is exactly four o'clock.

15. Simplify $15 \frac{1}{2} \div 2 \frac{1}{5}$

$$15 \frac{1}{2} = \frac{31}{2}$$

$$2 \frac{1}{5} = \frac{11}{5}$$

$$\frac{31}{2} \div \frac{11}{5} = \frac{31}{2} \times \frac{5}{11}$$

$$= \frac{155}{22}$$

$$= 7 \frac{1}{22}$$

SECTION B (40 Marks)

Answer ALL questions in this section.

16. Look at the pictures of different items and their prices, then answer the following questions.

The prices shown are:

$$\text{Chair} = 20,000/=$$

$$\text{Shoes} = 22,000/=$$

$$\text{Iron} = 12,000/=$$

(i) Find the total price of the chair and shoes.

$$20,000 + 22,000 = 42,000$$

The total is 42,000 shillings

(ii) Find the total price of the iron and the chair.

$$12,000 + 20,000 = 32,000$$

The total is 32,000 shillings

(iii) Find the total price of the iron and shoes.

$$22,000 + 12,000 = 34,000$$

The total is 34,000 shillings

(iv) Find the total price of the shoes, chair, and iron.

$$12,000 + 20,000 + 22,000 = 54,000$$

The total is 54,000 shillings

17.(a) Mr. Ali's house had a height of 3000 centimetres. What is the height of the house in metres?

$$100 \text{ centimetres} = 1 \text{ metre}$$

$$3000 \div 100 = 30$$

The height is 30 metres

18.(b) Write the shaded fraction shown in each circle below.

By observing the diagrams, each circle is divided into 4 equal parts and 1 part is shaded.

The shaded fraction is $\frac{1}{4}$

19.(a) If one exercise book has 48 pages, how many pages will 30 exercise books have?

$$48 \times 30 = 1440$$

They will have 1440 pages

20.(b) Show the number 36,257 using an abacus diagram.

Ten-thousands = 3

Thousands = 6

Hundreds = 2

Tens = 5

Ones = 7

21. A total of 7,500 pupils sat for an examination at their centre. 6,845 pupils passed the examination. How many pupils failed the examination?

$$7500 - 6845 = 655$$

The number of pupils who failed is 655

22.(a) If the weight of rice is 58 kilograms, sugar is 34 kilograms, and beans are 25,000 grams, how many kilograms were all the foods together?

$$\text{Beans } 25,000 \text{ g} = 25 \text{ kg}$$

$$58 + 34 + 25 = 117$$

The total weight is 117 kilograms

(b)

Hours Minutes Seconds

$$\begin{array}{r} 11 \quad 21 \quad 32 \\ + 18 \quad 17 \quad 21 \\ \hline \end{array}$$

Seconds: $32 + 21 = 53$

Minutes: $21 + 17 = 38$

Hours: $11 + 18 = 29$

Answer = 29 hours 38 minutes 53 seconds