

**THE UNITED REPUBLIC OF TANZANIA**  
**THE NATIONAL EXAMINATIONAL COUNCIL OF TANZANIA**  
**STANDARD FOUR NATIONAL ASSESSMENT**

**04E**

**MATHEMATICS**

**Time: 1:30 Hours**

**SOLUTIONS**

**Year: 2018**

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**Instructions**

1. This paper consists of **five (5)** questions.
2. Answer **all** questions

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1. (a) Write the number 20,392 in words.

20,392 = twenty thousand three hundred and ninety-two.

(b) Write XXXIV in Arabic numerals.

XXXIV = 30 + 4 = 34.

(c) Write the value of the underlined digit in the number 3402.

The number is 3402. The underlined digit is 4.

The value of 4 = 400.

(d) Write the following number in words: 9536.

9536 = nine thousand five hundred and thirty-six.

(e) Pupils planted 680 trees to protect the school environment. Write the number of trees planted in words.

680 = six hundred and eighty.

2. (a) Fill in the next number in the following sequence: 1, 3, 5, 7, \_\_\_.

1, 3, 5, 7, 9.

The next number = 9.

(b) Arrange the following numbers in ascending order, starting from the smallest to the largest: 20, 4, 12, 7, 16, 3, 10.

Correct order = 3, 4, 7, 10, 12, 16, 20.

(c) Write the missing number to complete the following Roman numeral sequence:

XXII, XXV, XXVIII, \_\_, XXXIV.

$$\text{XXII} = 22$$

$$\text{XXV} = 25$$

$$\text{XXVIII} = 28$$

$$\text{Increase} = 3$$

The missing number = XXXI.

(d) Write the missing number in the following sequence: 36, 33, 30, \_\_, 24.

$$36 - 3 = 33$$

$$33 - 3 = 30$$

$$30 - 3 = 27$$

$$27 - 3 = 24$$

The missing number = 27.

(e) A frog jumped three steps of equal length to reach 21 m. If it jumped a fourth step of the same length as the previous steps, how far did it reach?

$$3 \text{ steps} = 21 \text{ m}$$

$$1 \text{ step} = 21 \div 3 = 7 \text{ m}$$

$$4\text{th step} = 7 \text{ m}$$

$$\text{Total distance} = 21 + 7 = 28 \text{ m.}$$

3. (a) Add;  $1715 + 263$ .

$$1715 + 263 = 1978.$$

(b) Divide;  $20 \ ) \ 600$ .

$$600 \div 20 = 30.$$

(c) Mkombola Primary School has 826 pupils. If the number of boys is 408, how many girls are there?

$$\text{Total pupils} = 826$$

$$\text{Boys} = 408$$

$$\text{Girls} = 826 - 408 = 418.$$

(d) Multiply;  $49 \times 53$ .

$$49 \times 53$$

$$= 49 \times 50 + 49 \times 3$$

$$= 2450 + 147$$

$$= 2597.$$

(e) Kio had 9,750 shillings. He gave his friend some money and remained with 3,250 shillings. How much money did he give his friend?

$$\text{Total money} = 9,750$$

$$\text{Remaining money} = 3,250$$

$$\text{Money given} = 9,750 - 3,250 = 6,500.$$

4. (a) Write the name of the following shape whose four sides are all equal in length.

Name of the shape = square.

(b) The parts divided in the following shape are equal. Write the shaded part.

Shaded part = 1 out of 4 parts = one quarter.

(c) Find the perimeter of the following shape.

All sides are 7 cm.

Perimeter =  $7 + 7 + 7 + 7 = 28$  cm.

(d) The perimeter of a triangle is 48 cm. If the length of the first side is 12 cm and the length of the second side is 20 cm, find the length of the third side.

Perimeter = 48

Side 1 = 12

Side 2 = 20

Side 3 =  $48 - (12 + 20)$

=  $48 - 32$

= 16 cm.

(e) A rectangle has a perimeter of 80 cm and a length of 25 cm. Find its width.

Perimeter of a rectangle =  $2(\text{length} + \text{width})$

$80 = 2(25 + \text{width})$

$80 \div 2 = 25 + \text{width}$

$$40 = 25 + \text{width}$$

$$\text{Width} = 40 - 25 = 15 \text{ cm.}$$

5. (a) Add; Sh. 1940 + Sh. 265.

$$1940 + 265 = 2205 \text{ shillings.}$$

(b) Subtract; Sh. 3150 – Sh. 1500.

$$3150 - 1500 = 1650 \text{ shillings.}$$

(c) Multiply;

$$\begin{array}{r} 300 \\ \times 25 \\ \hline \end{array}$$

$$300 \times 25 = 7500.$$

(d) Mariamu had 8,650 shillings. Later, she spent 3,800 shillings. How much money did she remain with?

$$8650 - 3800 = 4850 \text{ shillings.}$$

(e) How many 1,000-shilling notes are there in a 10,000-shilling Tanzanian note?

$$10,000 \div 1,000 = 10 \text{ notes.}$$