

LEVEL 5

Demonstrate Numeracy Skills

March/April 2026



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

Time: 2 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer ALL questions in section **A** and **ANY THREE** (3) questions in section **B**.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on the question paper.

This paper consists of THREE (3) printed pages
Candidates should check the question paper to ascertain that all
pages are printed as indicated and that no questions are missing.

SECTION A (40 MARKS)***Answer ALL questions in this section.***

1. Calculate the value of the following expression.

$$18 + 24 \div 6 \times 5 - 7$$

(4 Marks)

2. Convert 0.375 into:

a. A fraction in its simplest form;

(2 Marks)

b. A percentage.

(2 Marks)

3. Determine the ratio of boys to girls in a class if there are 24 boys and 36 girls.

(4 Marks)

4. Convert 2.4 metres into millimetres.

(4 Marks)

5. A rectangular field measures 18 m by 12 m.

a. Calculate the area of the field.

(3 Marks)

b. State the unit of measurement used for the area.

(1 Marks)

6. A scale drawing uses a scale of 1: 5,000. Calculate the actual distance in metres represented by 6 cm.

(4 Marks)

7. An angle measures
- 135°
- . Identify the type of angle and describe it using appropriate mathematical language.

(4 Marks)

8. Using a ruler and compasses, construct a triangle with sides 6 cm, 7 cm and 8 cm.

(4 Marks)

9. The table below shows the number of items produced over four days.

Day	Mon	Tue	Wed	Thu
Items	120	150	180	170

a. Calculate the total number of items produced.

(2 Marks)

b. Calculate the average number of items produced per day.

(2 Marks)

10. Using a calculator, evaluate the following expression.

$$(45.6 + 18.4) \div 3.2$$

Give your answer correct to two decimal places.

(4 Marks)

SECTION B (60 MARKS)*Answer THREE questions in this section.*

11. The table below shows the monthly savings (in Kenya shillings) of a worker.

Month	Jan	Feb	Mar	Apr	May
Savings	800	950	700	1,100	1,250

- Organise the data in a suitable table and calculate the total savings. (8 Marks)
 - Draw a bar graph to represent the data. (6 Marks)
 - Calculate the average monthly savings and state the formula used. (6 Marks)
12. A rectangular plot of land measures 48 m by 36 m.
- Calculate the perimeter of the plot. (6 Marks)
 - If one roll of fencing wire covers 12 m, determine the number of rolls required. (6 Marks)
 - If one roll costs Ksh 1,250, calculate the total cost of fencing the plot. (8 Marks)
13. A map is drawn to a scale of 1: 10,000.
- Calculate the actual distance represented by 7.5 cm on the map. (7 Marks)
 - A road measures 4.2 cm on the same map. Calculate its actual length. (7 Marks)
 - Two towns lie vertically on the map and are separated by 5 cm. Calculate the actual distance between the two towns. (6 Marks)

14. The table below shows the daily attendance of students in a training centre.

Day	Mon	Tue	Wed	Thu	Fri
Attendance	120	135	140	150	160

- Construct a table and draw a line graph to represent the data. (10 Marks)
- Interpret the graph and state two conclusions about the trend in attendance. (10 Marks)