SIGNAL Publishers
Igniting thinking

GRADE 9 - 2025

THE SCHOLAR
004

SIGNAL CBE ASSESSMENT

FORTH TRIAL

JUNIOR SCHOOL ASSESSMENT
— MATHEMATICS —

TIME: 1 hr 30 min

Learner's Name:

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Grade:

.....

School Name:

.....

.....

Assessment No:

.....

Instructions for Learners:

1. Write down your name, name of your school and assessment number in the spaces provided.
2. This paper consists of 27 questions.
3. Ensure you check the question paper to ascertain that all the pages are printed and that no questions are missing.
4. Answer all the questions in the spaces provided.
5. Be sure to sign the **honour pledge** below at the end of this assessment.

Score Grid			
Question	Score	Question	Score
1 - 20	26.		
21.	27.		
22.			
23.			
24.			
25.			
	Total score		
	Assessed out of	50	

Honour pledge: "I swear on my honour that I have not violated the honour code before or during this assessment".

Signature or Initial: _____ **Date:** _____

ASSESSMENT RUBRICS

Learning area	Performance	Exceeds Expectations (4)	Meets Expectations (3)	Approaching Expectations (2)	Below Expectations (1)
Mathematics					

1. Without using a calculator, evaluate:
$$\frac{-2(5+3)-9\div 3+5}{-3\times -5+-2\times 4}$$

A. -14 B. 7
C. 2 D. -2

2. A solid cube has its edges measuring 3.25 cm long. Calculate the volume of the cube to 4 significant figures.

A. 34.328125 cm^3 B. 34.33 cm^3
C. 34.3281 cm^3 D. 34.328 cm^3

3. A cubic container has a volume of 7 893 cm^3. Find the height of a cuboid of the same volume if its base measures 21.3 cm by 14.5 cm. (Leave your answer to 1 d.p.)

A. 25.55 cm B. 25.556 cm
C. 26.0 cm D. 25.6 cm

4. Evaluate:
$$\sqrt[3]{\frac{343a^3}{b^3}}$$

A. $\frac{7a}{b}$ B. 7
C. $\frac{a}{b}$ D. $\frac{49a}{b}$

5. Use tables to find the cube of 0.7604.

A. 0.439669 B. 0.4397
C. 439.7 D. 4.397

6. Use tables to evaluate the following
$\sqrt[3]{0.0007319}$

A. 9.012 B. 731.4
C. 0.09012 D. 0.9012

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