

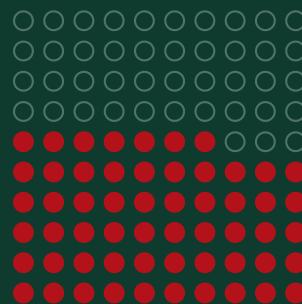
CBC Learning *Pulse*

A monthly readiness index for Grade 6 and Grade 9 learners in Mathematics, English and Integrated Science, built from CBC Guides platform data.

57%

of Grade 6 maths quizzes missed at least one fractions question, the most-missed topic in this edition.

Readiness index, October 2026: Grade 6 at 75 · Grade 9 at 73 (0–100)



Each dot = 1% of Grade 6 maths quizzes. Red: a fractions question was missed.

Executive summary

Learners are close to ready in English and Science. Mathematics is where the gap opens.

In October 2026, Grade 6 learners on CBC Guides scored 75 on the readiness index and Grade 9 learners 73. In both grades Mathematics is the weakest subject, and a small set of topics, led by fractions and money, accounts for most of the misses.

75 _{/100} Grade 6 overall readiness	73 _{/100} Grade 9 overall readiness	-13 _{pts} Grade 6 Maths (69) vs English and Science (82)	57% Grade 6 maths quizzes that missed a fractions question
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Five findings

01	Fractions are Grade 6's biggest stumbling block. 57% of Grade 6 maths quizzes missed at least one fractions question, with percentages next at 49%.	57% fractions miss rate
02	Maths trails English and Science in Grade 6. Grade 6 maths readiness is 69, 13 points below English and Science, which both score 82.	-13 index points
03	Money is the hardest Grade 9 maths topic. Money and finance questions were missed in 46% of Grade 9 maths quizzes, more than any other topic.	46% money & finance
04	Nutrition is the weak spot in Grade 9 Integrated Science. Plant nutrition and animal nutrition were each missed in 48% of quizzes.	48% each topic
05	Grade 9 English leads, but usage and vocabulary lag. English is the strongest Grade 9 subject at 76, yet usage (48%) and vocabulary (44%) are its most-missed areas.	76 English index

01 · Headline index

The CBC Readiness Index

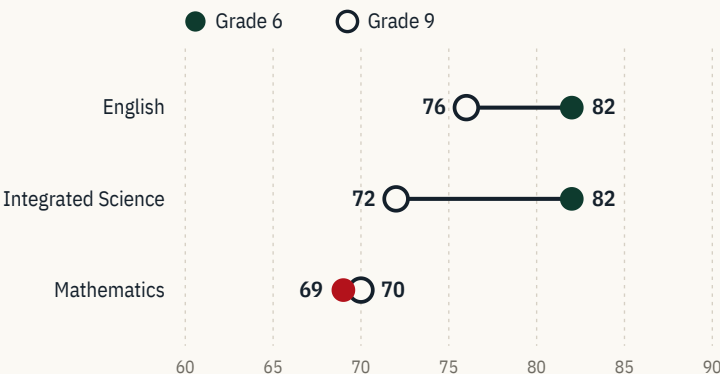
The index reports the average share of questions answered correctly, on a 0–100 scale. A reading of 100 means every question was answered correctly; the 50 mark is shown on each scale for reference.

GRADE AND SUBJECT	INDEX	VS GRADE	0 – 100	
Grade 6	75			Overall readiness
English	82	+7		
Integrated Science	82	+7		
Mathematics	69	-6		
Grade 9	73			Overall readiness
English	76	+3		
Integrated Science	72	-1		
Mathematics	70	-3		

Marker in red where the subject index is below 72. "vs grade" is the difference from the grade's overall index, in index points.

Grade 6 against Grade 9, by subject

Readiness index (0–100), axis shown from 60 to 90



Reading the index

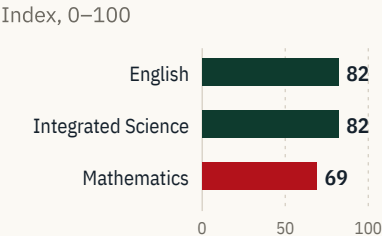
Grade 6 is ahead of Grade 9 in English (+6) and Integrated Science (+10). Mathematics is the exception: the two grades sit within a point of each other, at 69 and 70, and both are the lowest subject reading for their grade.

02 • Grade 6

Grade 6: strong in language and science, held back by fractions

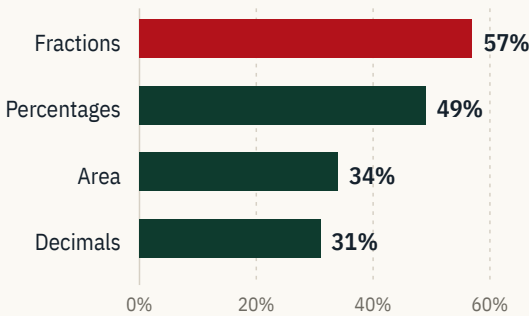
Grade 6 learners post the highest subject scores in this edition: 82 in both English and Integrated Science. Mathematics, at 69, is 13 points behind, and the topic data points to where: fractions and percentages, two connected skills, lead the list of misses ahead of KPSEA.

Readiness by subject



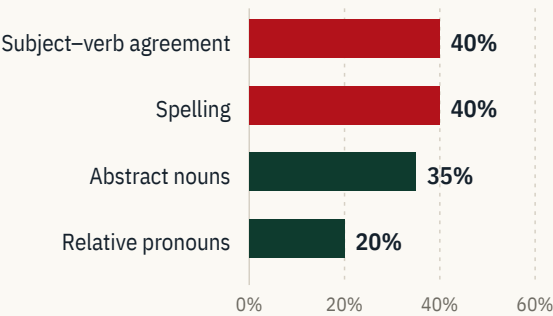
Mathematics: most-missed topics

% of Grade 6 maths quizzes with at least one wrong answer on the topic



English: most-missed topics

% of Grade 6 English quizzes with at least one wrong answer on the topic



Almost six in ten Grade 6 maths quizzes on CBC Guides tripped on fractions; percentages followed at 49%.

In English, the misses are spread more evenly. Subject-verb agreement and spelling were each missed in 40% of quizzes, abstract nouns in 35%, and relative pronouns in 20%. No English topic approaches the fractions figure.

GRADE 6 AT A GLANCE

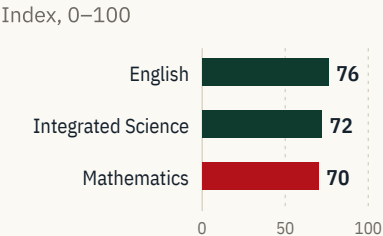
75	69	57%	40%
Overall readiness index	Mathematics, the lowest subject	Fractions, the most-missed maths topic	Subject-verb agreement and spelling, the most-missed English topics

03 · Grade 9

Grade 9: a flatter profile, with gaps in money, nutrition and usage

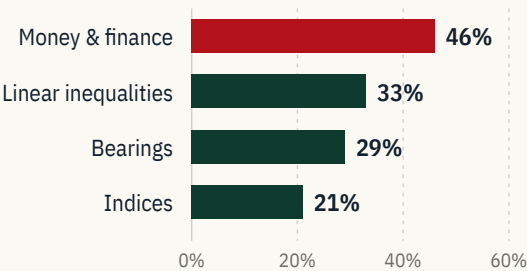
Grade 9 subject scores sit closer together, from 70 in Mathematics to 76 in English. Ahead of KJSEA, the most-missed topics are practical ones: everyday money, how plants and animals obtain food, and how English is used in context.

Readiness by subject



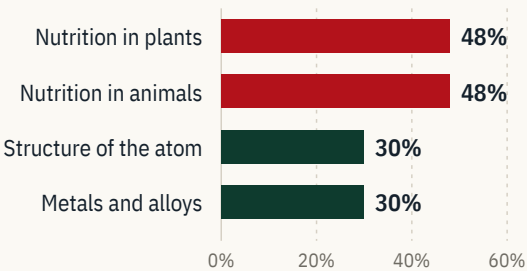
Mathematics: most-missed topics

% of Grade 9 maths quizzes with at least one wrong answer on the topic



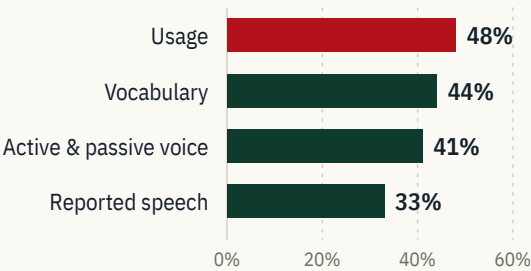
Integrated Science: most-missed topics

% of Grade 9 science quizzes with at least one wrong answer on the topic



English: most-missed topics

% of Grade 9 English quizzes with at least one wrong answer on the topic



Money, the maths of everyday life, is the topic Grade 9 learners miss most: 46% of maths quizzes.

English is the strongest Grade 9 subject, but four of its topics are each missed in a third or more of quizzes. In Integrated Science, nutrition in plants and nutrition in animals tie at 48%, well ahead of the next topics at 30%.

GRADE 9 AT A GLANCE

73	46%	48%	48%
Overall readiness index	Money & finance, the most-missed maths topic	Plant and animal nutrition, each, in Integrated Science	Usage, the most-missed English topic

04 · What this means

Where to focus the remaining preparation time

The findings point to a short list of topics rather than whole subjects. That makes them practical to act on at home, in class and in policy.

Parents and guardians

Supporting revision at home

- For Grade 6, start with fractions and percentages: everyday tasks such as sharing food or reading a discount use both.
- For Grade 9, practise money questions with real examples: budgets, change, interest and simple profit and loss.
- Use short, timed quizzes and review the questions a child gets wrong, topic by topic.

Schools and teachers

Planning revision and remediation

- Plan a dedicated revision block for Grade 6 fractions, which were missed in more than half of maths quizzes.
- Revisit plant and animal nutrition together in Grade 9 Integrated Science; both sit at 48%.
- In Grade 9 English, put usage and vocabulary practice in context rather than relying on drills alone.

Policymakers and partners

Education stakeholders, NGOs and sponsors

- Target support materials at a few high-miss topics where the evidence is strongest.
- Pair Grade 9 money and finance topics with financial-literacy programmes, a natural fit for banks and insurers.
- Track the same topics month by month to see whether targeted support moves the index.

Key lines for reporting

“Almost six in ten Grade 6 maths quizzes on CBC Guides tripped on fractions.”

“Grade 6 learners are 13 points less ready in maths than in English or Science.”

“Money, the maths of everyday life, is the topic Grade 9 learners miss most.”

05 · Methodology

How the Learning Pulse is built

The CBC Learning Pulse is based on CBC Guides platform data: anonymous results from the CBC Challenge quizzes learners take on cbcguide.co.ke. Each edition covers one calendar month.

Readiness index = $100 \times \text{average of } (\text{questions correct} \div \text{questions attempted})$ across quiz attempts in a grade and subject

Data source	CBC Challenge quiz results recorded on the CBC Guides platform. Figures describe learners who use CBC Guides.
Period	October 2026.
Readiness index	The average share of questions answered correctly, expressed on a 0–100 scale, for each grade and subject.
Topic miss rate	The share of quizzes in which at least one question on a topic was answered wrongly. A single quiz can count towards several topics, so rates do not add up to 100%.
Quality filter	Attempts completed in under 60 seconds are excluded, so rushed or random submissions do not distort results.
Privacy	All data is anonymous. No names or personal details are collected for, or shown in, this report, and only percentages and index values are published.
Reporting threshold	Cuts with too little data are omitted. This month that excludes Grades 4, 5, 7 and 8.
Coverage	Grade 6 and Grade 9; Mathematics, English and Integrated Science.
Independence	CBC Guides is an independent learning resource. The Learning Pulse is produced by CBC Guides and is not an official assessment.

About CBC Guides

Practical revision for Kenya's Competency-Based Curriculum

CBC Guides (cbcguide.co.ke) is a Kenyan education platform offering revision resources and CBC Challenge quizzes for learners, parents and teachers. The CBC Learning Pulse turns anonymous quiz results into a monthly read on learner readiness.

This edition is available for sponsorship

Place your brand on the monthly CBC Learning Pulse, prepared for journalists, NGOs, schools and education stakeholders. Sponsorship does not influence the data or findings.

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