



An initiative by GROWTHPOINT
PROPERTIES



GROWSMART MATHEMATICS COMPETITION 2020

INFORMATION FOR PARTICIPATING SCHOOLS

Introduction

Growsmart is an educational programme that hosts inter-school competitions in Literacy, Story Writing & Poetry, Mathematics and Science for learners in Grades 4, 5, and 6. A Debating competition is also hosted for learners in Grade 6. A pilot competition in Entrepreneurship is also being hosted for learners in Grade 6 in 2020. It is a corporate social responsibility initiative by Growthpoint Properties and is supported by the Western Cape, Eastern Cape, and Limpopo Education Departments. The broad purpose of the competition is to promote the importance of education in a practical and fun way that will benefit both the schools and their learners.

The Mathematics competition will run alongside the normal Growsmart Literacy, Story Writing & Poetry, Science, Debating and Entrepreneurship competitions, although it will be completely separate from these.

Growsmart Mathematics competition

The mathematics competition is not compulsory.

Each participating school must select their three learners from Grades 4, 5, and 6 who will form the school team. This can be done through a series of preliminary competitions at the school, conducted by teachers at class level, inter-class level and grade level. The school has the discretion as to how all learners can be encouraged to participate in the selection stage.

The mentor will be the coordinator for their elected competition and for their school and they will ensure that their team is adequately prepared.

There will be a Practise Edition, which is designed to be used for selecting your teams, plus three other editions which will follow prior to each competition level. The concepts will be expanded through stories and activities to be used for reading practice, enjoyment and comprehension.

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The mentor will obtain consent from the parents or legal guardians, ensure the team's preparation for each competition round and arrange transportation for the team to the competition venue.

This team will represent your school in the Growsmart Mathematics competition.

Two launch presentations will be held on **5 and 6 February 2020** for the various participating Metro Districts in order to help principals and team mentors to prepare for the upcoming competitions. Please make arrangements for transport on this day as you will be receiving the practise and first editions of the Growsmart newspaper at the launch. Not receiving the paper on this day could set your school at a disadvantage.

The competition rounds will begin on **9 May 2020** and will run over a number of months, culminating in the grand finale which will take place on Saturday, **5 September 2020**. Your team will compete at least once on a Saturday in Level 1 and will advance to Level 2 should they win their round. Should they win Level 2, they will proceed to quarter-finals (if necessary) and semi-finals. Winning the semi-final round will result in your team advancing to the final round.

The competition rounds will take place at Oude Molen Academy of Science and Technology in Pinelands and run concurrently with other Growsmart competitions.

Mathematics competition format

The competition will take place over four different competition levels on Saturdays.

- Level 1: All registered teams compete to see who will advance to the next level. Each school will compete only once in Level 1. The winning teams will advance to Level 2.
- Level 2: The teams compete to see who will advance to the semi-final. Each school will compete only once in Level 2. Winning teams will advance to the (quarter-finals, if necessary) semi-final.
- Quarter finals: (if necessary) The teams compete to determine which eight schools will advance to the semi-final round.

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- **Semi-final:** The teams compete to determine which five schools will advance to the final round.
- **The final:** The final five schools will compete to determine the overall winning team and the second- and third-placed schools.

To prepare for the competition, each team should practise the mathematics exercises in the Growsmart newspapers and from the Association for Mathematics Education of South Africa (AMESA) found at <https://www.amesa.org.za/>. The mathematics problems in the competition will be of a similar nature but will not be the same problems as those in the newspaper.

Calculators may not be used during the competition. Notepads and pens will be provided for working out calculations.

Some typical examples include the following:

- $45 + 4$
- $1\ 100 - 600$
- $150 \div 2$
- $\frac{5}{8} + \frac{2}{3}$
- 40×8
- $625 \div 25$
- $525 \times 4 \div 4$
- 2^5
- 2 million, doubled 5 times
- Three pencils and five books cost R44,00 altogether. One pencil and one book cost R10,00 altogether. What is the price of a book?
- a) R 6,50 b) R 7,00 c) R 7,50 d) R 8,00 e) R 8,50

Teams will compete against each other for points, with the winning team going through to the next level of the competition, in the same way as the Literacy competition.

The points will be based on the number of mathematics problems they solve correctly. Part of the competition will be timed to see how many problems they solve correctly in, for example, one minute.

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A launch and workshop information session for principals and team mentors will be hosted at Oude Molen Academy of Science and Technology.

An electronic online registration form will be emailed to your school for the enrolment of your learners in February 2020. The closing date for registration will be 20 March 2020.

Further details will be communicated to all the participating schools as we approach Level 1 of the competition. Should you have any queries at all, please do not hesitate to contact us on the cell phone numbers below. All the best!

Growsmart Coordinators

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