Peterborough Victoria Northumberland and Clarington Catholic District School Board

Math Moment…

EQAO

At the end of grades 3, 6, and 9, you child will participate in a province-wide assessment of Math learning based on the Ontario curriculum for mathematics. It is what students are learning in classrooms every day. These assessments are done by the Education Quality and Accountability Office (EQAO), an independent agency that measures how well Ontario's public education system is developing students' math skills. EQAO assessment results are not included on report cards in grades 3 and 6, but can be for grade 9. Either way, they provide important information to schools, districts, and the province about how we can continue to grow as an education system.

Information for parents is available on the EQAO website. It provides information about the assessment and how it links to the Ontario Curriculum. Parents can view results from previous years and get information and resources, such as examples of questions used in passed assessments along with scoring guides to see how and what is assessed. Please take the time to review the site.

Below are examples of *Open Response* questions to try at home. Students are encouraged to show their thinking using pictures, numbers, and/or words. Please speak to your child's teacher about strategies you can be using at home to support your child in preparing to write the EQAO assessment in grades 3, 6, and 9.

Grade 3

The librarian is setting up a boat theme in her library. She has 20 small boats she would like to place on different tables. She places 2 on the first table. On each subsequent tablet, she places 1 more boat than on the previous table. Determine how many tables are in the library. Show your work.

Grade 6

A Canadian television station shows 16 minutes of commercials every hour between 8:00 a.m. and 11:00 p.m. every day. How many minutes of commercials are there on the station between 8:00 a.m. and 11:00 p.m. in 365 days? Show your work.

Grade 9 Applied

A green hot air balloon is rising at a constant rate.
- After 2 minutes, it is at a height of 30 m.
- After 6 minutes, it is at a height of 75 m.

A blue hot air balloon is rising at twice the rate of the green balloon.
Determine the rate in metres per minute at which the blue balloon is rising.
Show your work.

Grade 9 Academic

A new line:
- is perpendicular to the line represented by $3x – y = 5$ and
- has the same y-intercept as the line represented by $4x – 3y – 12 = 0$.

Determine the equation of the new line.
Justify your answer.