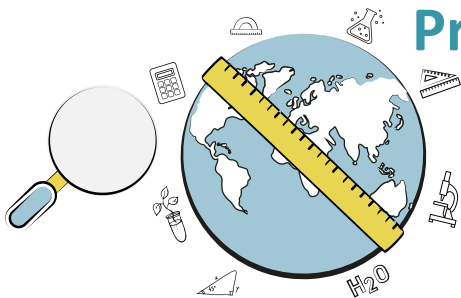


Programme for International Student Assessment (PISA)

Information for Students, Schools, and Parents/Guardians



What is PISA?

The Programme for International Student Assessment (PISA) is an important international assessment that measures the skills and knowledge of 15-year-old students in mathematics, science, and reading.

PISA has been conducted every three years since 2000. Approximately 86 countries participate in PISA, including Canada.

Who is conducting the assessment?

PISA is a collaborative effort among the member countries of the Organisation for Economic Co-operation and Development (OECD). In Canada, PISA is carried out through a partnership between the Council of Ministers of Education, Canada (CMEC) and Employment and Social Development Canada (ESDC).



Who will take part in PISA?

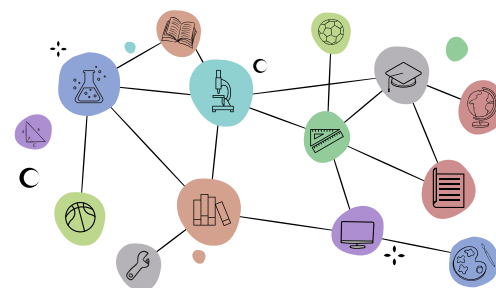
PISA will be conducted from April 18 to May 27, 2022. Approximately 30,000 students selected at random from over 1,000 schools across all ten Canadian provinces will be taking part in PISA. The assessment will be administered to both Anglophone and Francophone student populations.

What will participating students have to do?

Students will complete a computer-based test that will assess their skills in mathematics, reading, science, and creative thinking, as well as financial literacy in some provinces. The test takes two hours to complete. Students and school principals will also be asked to complete contextual questionnaires. The questionnaires collect valuable information that expands the results and scope of the assessment as a whole and helps to understand the factors that may influence student achievement.

Do students need to prepare for PISA?

No. Students do not need to prepare for this assessment. Normal classroom activities provide ample preparation.



Will the results affect students' marks?

No. The results of this assessment will not affect students' academic records in any way.

All the data collected through PISA will be kept strictly confidential. No results will be published at the student, school, or school board/district level. Results will be analyzed only at the provincial and pan-Canadian levels.

What are the benefits of participating?

PISA provides school administrators, teachers, and students with an opportunity to be involved with a high-quality assessment that will influence how mathematics, science, and reading are taught and learned in the future.

The data gathered from the assessment are used to support educational research. PISA provides us valuable information about how well students are doing and about what factors might be influencing their success, which can help us to make better decisions about the future of our education systems.

A Personal Note to Students

When you participate in this assessment, you will help us improve education for all students in Canada.

Thank you in advance for participating in PISA!

More information on PISA is available at <https://www.cmec.ca/251/Overview.html>. You may also refer to the OECD website at <https://www.oecd.org/pisa/aboutpisa/>.

Curious to see what the PISA assessment looks like? Try some of the sample mathematics questions below!

Question 1 of a series of 3 questions

The beauty of powers

Question 1/3

Refer to "The Beauty of Powers" on the right. Click on either **True** or **False** for each of the statements.

Statement	True	False
The number 8^{16} is 8 times larger than the number 8^{15}	<input type="radio"/>	<input type="radio"/>
The number 8^{10} is 10 times larger than the number 8	<input type="radio"/>	<input type="radio"/>

THE BEAUTY OF POWERS

When you perform repeated multiplication with the same number, you can use power notation to summarize what you are doing.

For example:

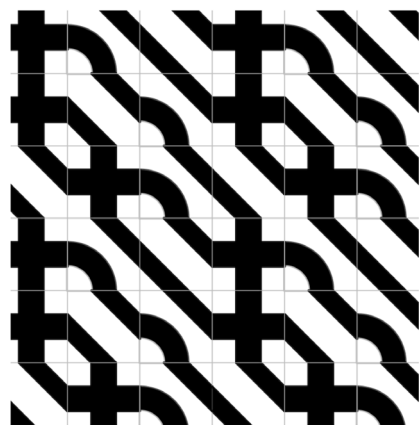
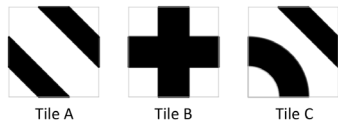
$$8 \times 8 \times 8 \times 8 = 8^4 \text{ (four 8s multiplied together)}$$

and

$$7 \times 7 \times 7 \times 7 \times 7 \times 7 = 7^6 \text{ (six 7s multiplied together)}$$

Question 5 of a series of 5 questions

TILING



Tiling

Question 5/5

The tiling pattern on the left is a section from the middle of a much larger area created using a combination of three tiles: A, B and C.

Study the pattern.

Which of the codes on the right describes a 3 x 3 unit of tiles that can be repeated to create the pattern on the left (select **ALL** that apply).

3 x 3 unit used to create the pattern

A	B	C
B	A	C
B	C	A

B	C	A
C	A	B
A	C	B

A	B	C
B	C	A
B	A	C

A	B	C
B	C	A
C	A	B