



SUPPORTING OUR STUDENTS WITH SPECIAL EDUCATION NEEDS PAAC

January 25, 2021



OVERVIEW

- ❖ Assessment Details
- ❖ Who Benefits from Digitalization?
- ❖ Accessibility Features
- ❖ Tools
- ❖ Accommodations and Special Provisions
- ❖ Student Resources and Supports
- ❖ Questions and Answers

ASSESSMENT DETAILS

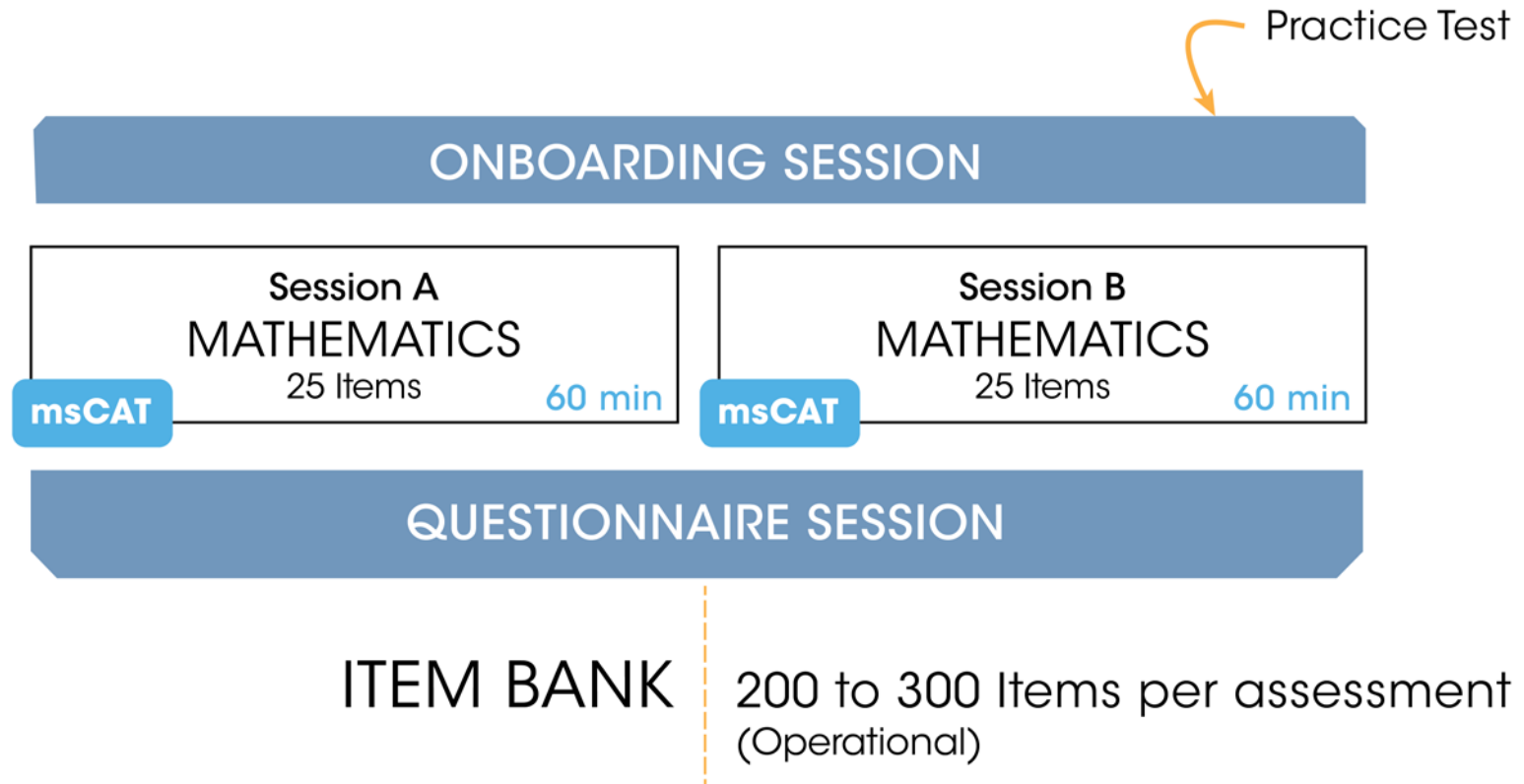
ADAPTIVE TESTING – AT A GLANCE

Multistage Computer Adaptive Testing (msCAT):

- ❖ Adapts to students' proficiency levels
- ❖ Incorporates standardization
- ❖ Enables flexible scheduling
- ❖ Allows for rapid automated reporting
 - Reporting for 2020-21, a field-test year, will focus on individual results to support students, parents/guardians and teachers

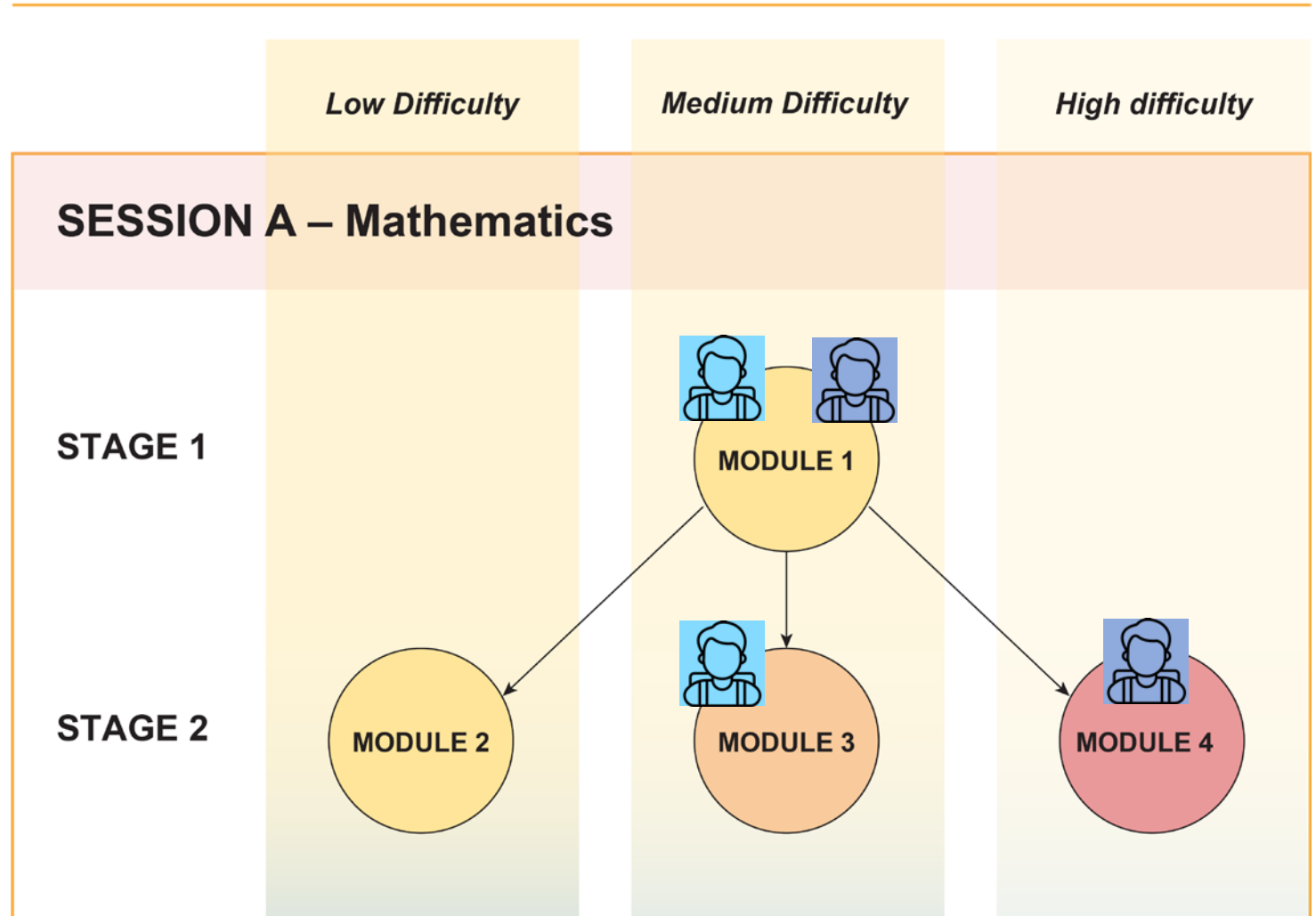
MODERNIZED ASSESSMENT

Academic and Applied courses



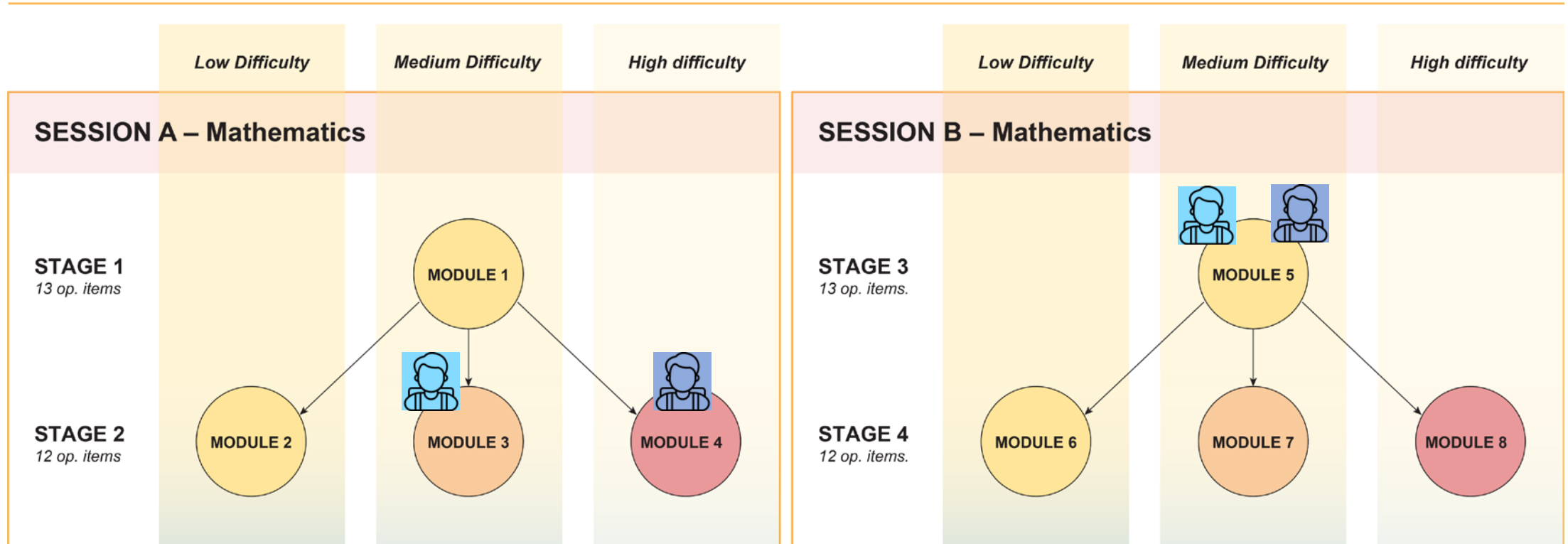
ASSESSMENT DELIVERY MODEL

Multistage Computer Adaptive Testing



ASSESSMENT DELIVERY MODEL

Multistage Computer Adaptive Testing



WHO BENEFITS FROM DIGITALIZATION?

WHO BENEFITS FROM DIGITALIZATION?



Benefits to Students

Makes the assessment experience more student focused.

Allows assessments to be adaptive and designed to help reduce test anxiety.

Includes built-in customization options and accommodations.

Allows for the design of more engaging assessments, allowing students to demonstrate their knowledge and skills in new ways.

Presents assessments that are more aligned with the digital world we live in.



Benefits to Schools

Provides schools with more flexibility for the scheduling and delivery of the assessments.

Simplifies the logistics of administration.

Improves the consistency of assessment administration while increasing security.

Provides faster and more precise results.



Benefits to the Broader Education Community

Broadens the insights EQAO can provide about student learning, while maintaining reliability of data.

Confirms that EQAO data are pertinent to the information needs of all stakeholders.

Contributes to a wider array of research initiatives related to student learning.

Ensures that Ontarians continue to receive reliable information about the quality of the province's publicly funded education system.

ACCESSIBILITY FEATURES

ACCESSIBILITY FEATURES

Students have access to various accessibility features to use during the test.



Help

Listen – Text Reader

Zoom In

Zoom Out

Line Reader

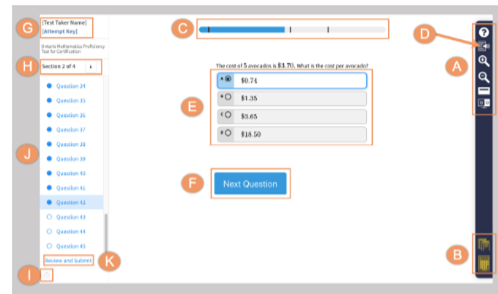
High Contrast

HELP

Students have access to a Help tool through which they can learn how all the accessibility features work and see the setup of the test sections.

Help

The image below will help you to familiarize yourself with the different elements of the interface that you will use to complete the test.



A. Accessibility Tools

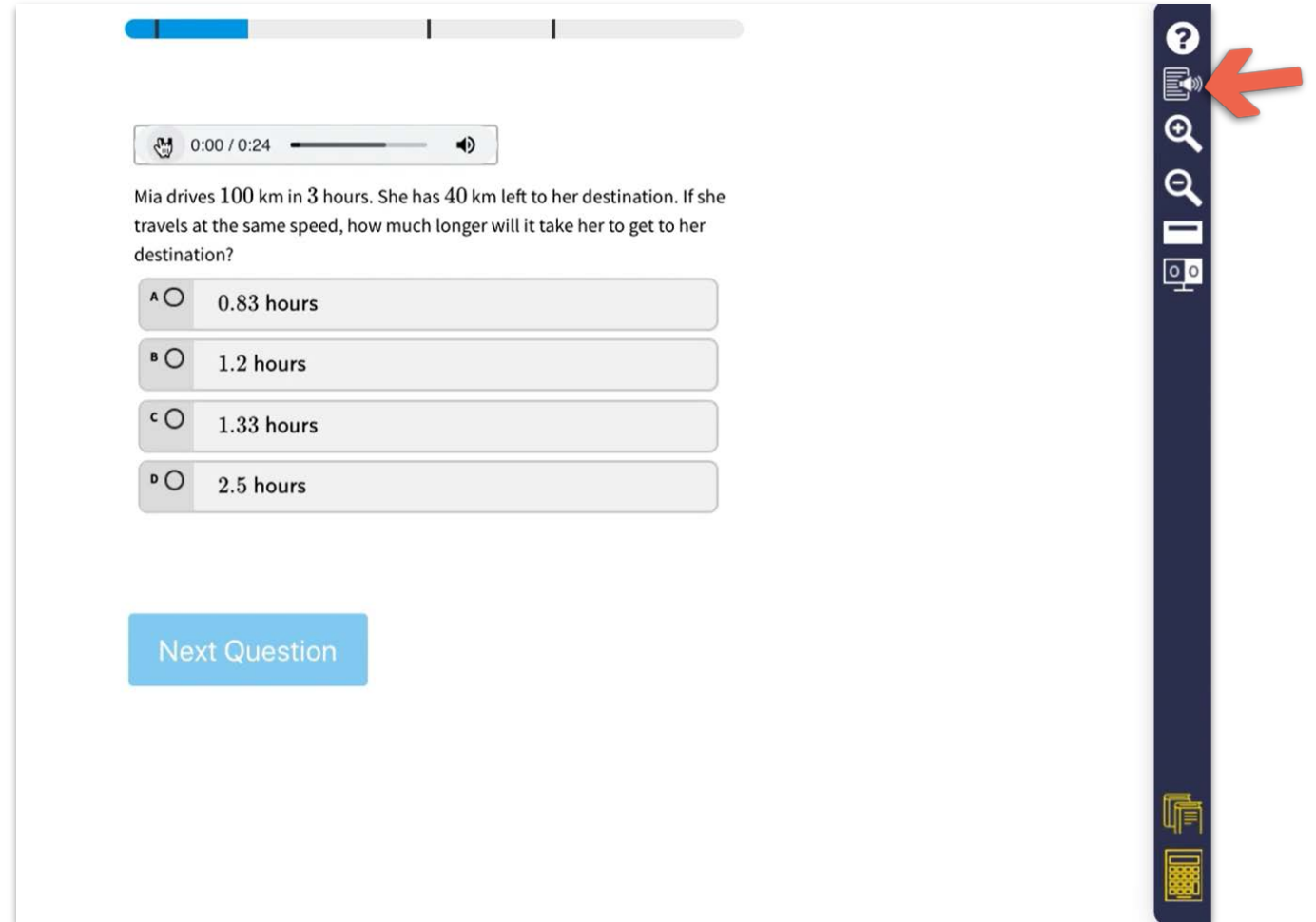
Accessibility tools are located in the top right corner of the screen and are available for use by every student taking the MPT. The accessibility tools you will see include:

- Help
- Listen
- Zoom In
- Zoom Out
- Line Reader
- High-Contrast

Other text-to-speech accessibility tools may be embedded in the content of specific questions.

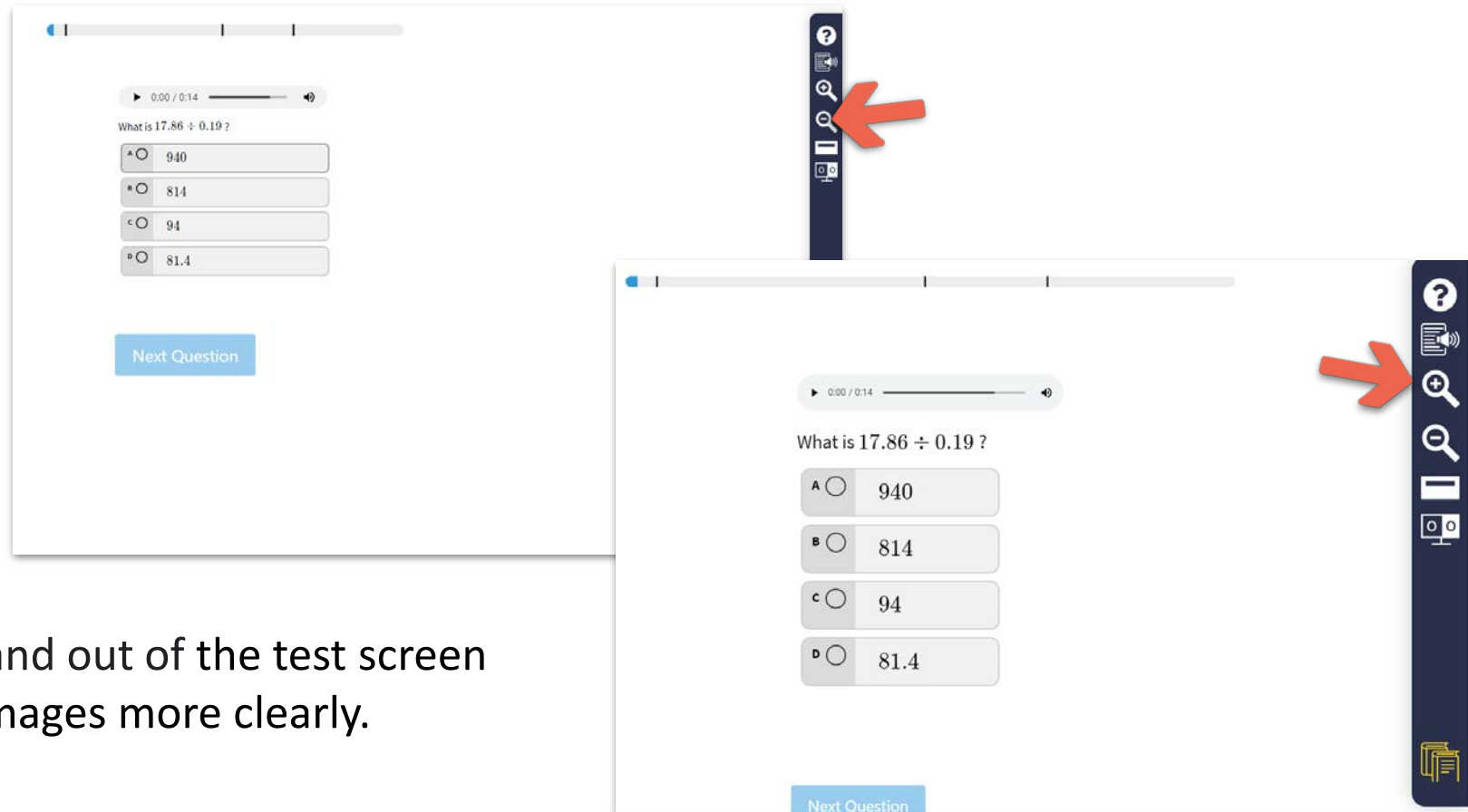
LISTEN – TEXT READER

The Listen tool allows students to listen to the question as it is read through their device's speaker.



The screenshot displays a digital learning interface. At the top, there is a progress bar with a blue segment on the left. Below it is a media player control bar showing a play button, a progress indicator at 0:00 / 0:24, and a speaker icon. The main content area contains a math problem: "Mia drives 100 km in 3 hours. She has 40 km left to her destination. If she travels at the same speed, how much longer will it take her to get to her destination?". Below the question are four multiple-choice options, each in a rounded rectangular button: A 0.83 hours, B 1.2 hours, C 1.33 hours, and D 2.5 hours. At the bottom of the question area is a blue button labeled "Next Question". On the right side of the interface is a vertical dark blue toolbar with several icons: a question mark, a speaker icon (highlighted with a red arrow), a magnifying glass, a magnifying glass with a plus sign, a tablet icon, and a calculator icon.

ZOOM IN/ZOOM OUT



Students can zoom in and out of the test screen to see questions and images more clearly.

LINE READER

The Line Reader tool allows test-takers to focus on one line at a time while reading questions and other text.

What number is represented by this expanded form?

$10^3 + 2 \times 10^2 + 3 \times 10^1 + 4 \times 10^0$

$100 + 20 + 3 + 4$

127

107

1070

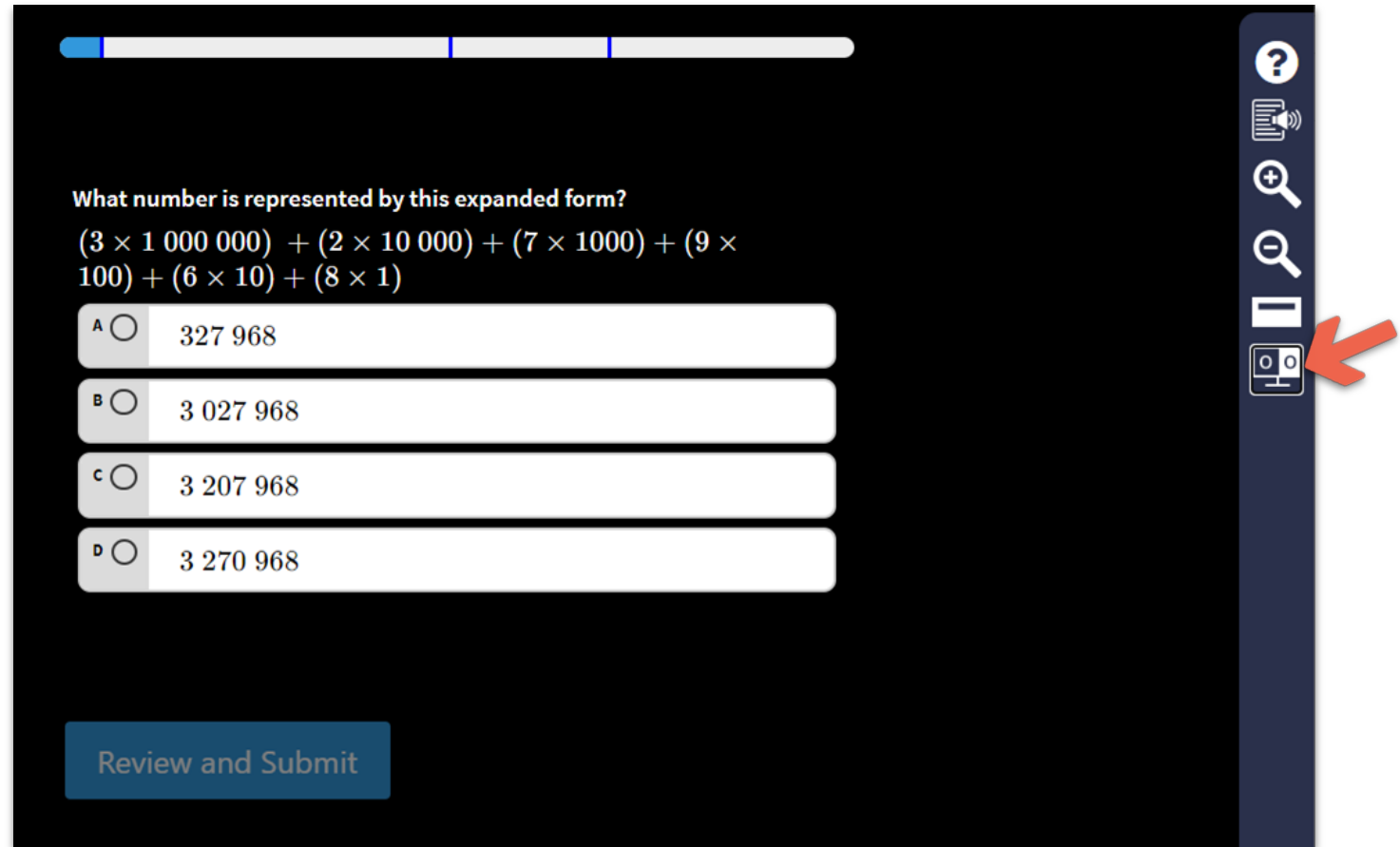
10700

Review and Submit

The screenshot shows a test question interface. At the top, a question asks "What number is represented by this expanded form?". Below the question, several mathematical expressions are listed, including an expanded form, its simplified form, and four multiple-choice options. A blue "Review and Submit" button is located at the bottom of the question area. On the right side of the interface, there is a vertical toolbar with several icons: a question mark, a document with a speaker, a magnifying glass with a plus sign, a magnifying glass with a minus sign, a yellow and white striped icon (the Line Reader tool), and a computer monitor icon. A red arrow points to the yellow and white striped icon.

HIGH CONTRAST

The High Contrast tool will significantly increase the colour contrast on the test window to accommodate students requiring visual accommodation.



The screenshot shows a test question on a dark background. The question asks: "What number is represented by this expanded form?" followed by the equation $(3 \times 1\,000\,000) + (2 \times 10\,000) + (7 \times 1000) + (9 \times 100) + (6 \times 10) + (8 \times 1)$. There are four multiple-choice options: A) 327 968, B) 3 027 968, C) 3 207 968, and D) 3 270 968. A blue "Review and Submit" button is at the bottom. On the right side, a vertical toolbar contains icons for help, text-to-speech, zoom in, zoom out, and high contrast. A red arrow points to the high contrast icon.

What number is represented by this expanded form?
 $(3 \times 1\,000\,000) + (2 \times 10\,000) + (7 \times 1000) + (9 \times 100) + (6 \times 10) + (8 \times 1)$

A 327 968

B 3 027 968

C 3 207 968

D 3 270 968

Review and Submit

TOOLS

E-ASSESSMENT TOOLS

Students will have access to various tools and resources to use during the assessment.

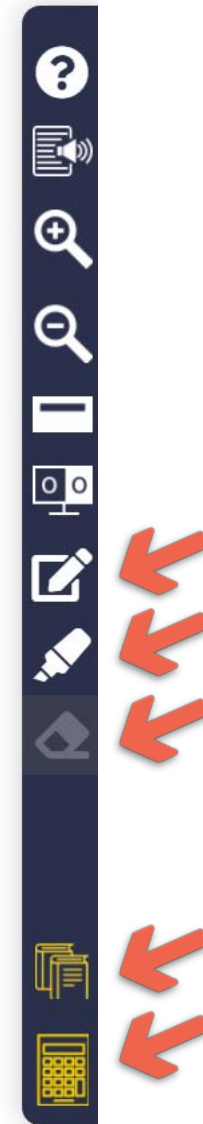
Tools:

- ❖ Draw Line Tool
- ❖ Highlighter
- ❖ Eraser
- ❖ Scientific Calculator

Resources:

- ❖ EQAO Formula Sheet
- ❖ EQAO English-French and French-English Glossaries

EQAO is also considering a tool to enable students to flag a question.



OTHER TOOLS AND MANIPULATIVES

During the assessment, students can have access to the following:



Headphones for listening to questions, as required



A pencil, eraser, ruler and paper for rough work



Hard copies of the glossaries or formula sheets



An additional scientific calculator



A graphing calculator, with or without computer algebra systems



Manipulatives



Virtual applications, including online manipulatives or graphing calculators

ACCOMMODATIONS AND SPECIAL PROVISIONS

ACCOMMODATIONS AND SPECIAL PROVISIONS

School administrators, in partnership with teachers, are responsible for determining accommodations and special provisions for students with special education needs, English Language learners and students with special circumstances.



All students can receive:

- Additional time
- A quiet, individual or small-group setting
- Preferential seating
- Prompts for students who are off task

ACCOMMODATIONS AND SPECIAL PROVISIONS

School administrators and teachers can create a plan to accommodate all students who require the following:

- Additional time
- A quiet, individual or small-group setting
- Preferential seating
- Prompts for students who are off task

Accommodations for students with special education needs can include the following:


- Extended periodic supervised breaks
- Sign language or an oral interpreter
- A Unified English Braille version with or without the audio version
- Additional assistive technology
- Verbatim scribing of answers

Provisions for English Language Learners can include the following:


- Extended periodic supervised breaks
- Digital or paper language resources


STUDENT RESOURCES AND SUPPORTS


SIGN IN

Sign In 

Login as a

 **Teacher**

 **Student**

 Sign In

Class Code

OEN [Need help?](#)

Sign In

STUDENT RESOURCES

The screenshot shows a user interface for a student. At the top left, there is a gear icon and the text "Logged in as Bruno Tyler". Below this, a series of four light blue speech bubbles contain the following text:

- >Welcome to the Grade 9 EQAO Math Assessment!
- We have some resources you can use to help you prepare to do your best work.
- Click on the Resources button to check them out!
You can also click on Assessments to enter any assessments your teacher has opened for you.
- Would you like me to help you navigate the resources?

At the bottom of the pop-up are two buttons: "Yes" and "No".

To the right of the pop-up, on a dark teal background, is explanatory text: "A pop-up will appear automatically when it is time to start the assessment. In the meantime, check out the resources to help you get ready to do your best work!". Below this text are two buttons: "Resources" (with a backpack icon) and "Assessments" (with a target icon).

STUDENT RESOURCES

Resources Menu

The screenshot displays a user interface for a student resources menu. At the top, a grey header bar contains the text "Resources Menu". Below this, the interface is split into two main sections. The left section features a chatbot interface with a teal background. It starts with a gear icon and the text "Logged in as Bruno Tyler". The chatbot asks, "Would you like me to help you navigate the resources?". A user response bubble says "Yes, please.". The chatbot then asks, "Take a deep breath... and relax. Would you like to try a deep breathing exercise?". A user response bubble says "No thanks.". The chatbot then asks, "Want to strategize how you will tackle this assessment?". At the bottom of the chatbot interface are two buttons labeled "Yes" and "No". The right section has a dark teal background. At the top, there is a yellow backpack icon, the word "Resources", and a back arrow icon. Below this are four menu items, each in a rounded rectangle with a right-pointing chevron: "Breathing exercise", "Checklist", "Reminder to skip", and "Tool exploration".

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax. Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Resources

Breathing exercise >

Checklist >

Reminder to skip >

Tool exploration >

BREATHING EXERCISE

'Breathing exercise' menu

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax. Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Breathing exercise

Box breathing

Visualization

Box breathing technique (animated)

Box breathing

Inhale... Let the air flow smoothly and evenly...

Visualization technique (animated)

Visualization

Visualize yourself holding this mug of your favourite warm drink...

CHECKLIST

Checklist

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax. Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Checklist

What strategies will you use during the assessment to do your best work?

- Read the questions carefully, and read all the options before answering.
- Try eliminating options that I know are wrong.
- Stay positive.
- Breathe deeply.
- Review my answers.

REMINDER TO SKIP

'Reminder to skip'

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax.
Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Reminder to skip

During the assessment, you can skip questions and come back to them later.

You can be reminded that you can skip a question if you have been on a question for 3 minutes. This won't mean you are spending too much time on a question, it will just be a standard message.

Would you like to receive these reminders?

Remind me Don't remind me

ASSESSMENTS

Going back to the landing screen and selecting 'Assessments'

The screenshot displays a user interface with a chatbot on the left and a navigation menu on the right. The chatbot, set against a teal background, shows a conversation with a user named Bruno Tyler. The chatbot asks three questions: "Would you like me to help you navigate the resources?", "Take a deep breath... and relax. Would you like to try a deep breathing exercise?", and "Want to strategize how you will tackle this assessment?". The user responds with "Yes, please.", "No thanks.", and "Yes". The chatbot interface includes a gear icon for settings and "Yes" and "No" buttons at the bottom.

On the right, a dark blue navigation menu contains two items: "Resources" with a backpack icon and "Assessments" with a target icon. The "Assessments" item is highlighted with a teal background.

A text box on the right side of the screen reads: "A pop-up will appear automatically when it is time to start the assessment. In the meantime, check out the resources to help you get ready to do your best work!"

PRACTICE ASSESSMENT

'Assessments' menu

The screenshot displays a user interface for the 'Assessments' menu. At the top, a grey header bar contains the text "'Assessments' menu". Below this, the interface is split into two main sections. On the left, a teal chatbot window is active, showing a conversation with a user named Bruno Tyler. The chatbot asks three questions: "Would you like me to help you navigate the resources?", "Take a deep breath... and relax. Would you like to try a deep breathing exercise?", and "Want to strategize how you will tackle this assessment?". The user has responded with "Yes, please.", "No thanks.", and "Yes". At the bottom of the chatbot window are two buttons labeled "Yes" and "No". On the right, a dark blue sidebar contains a red target icon with an arrow, followed by the text "Assessments" and a back arrow. Below this, there are two buttons: "Practice Assessment" and "Live Assessment", both with right-pointing chevrons.

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax. Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Assessments

Practice Assessment >

Live Assessment >

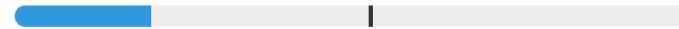
PRACTICE QUESTIONS

STUDENT

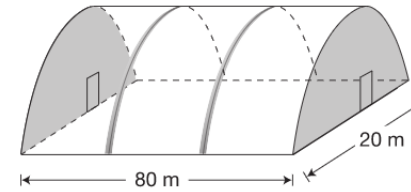


Stage 1 of 2

- Question 1
- Question 2
- Question 3
- Question 4
- Question 5
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10
- Question 11
- Question 12
- Question 13



This diagram shows a greenhouse that is built in the shape of a half-cylinder.



Material to cover the roof costs $\$3/\text{m}^2$. The shaded ends will not be covered.

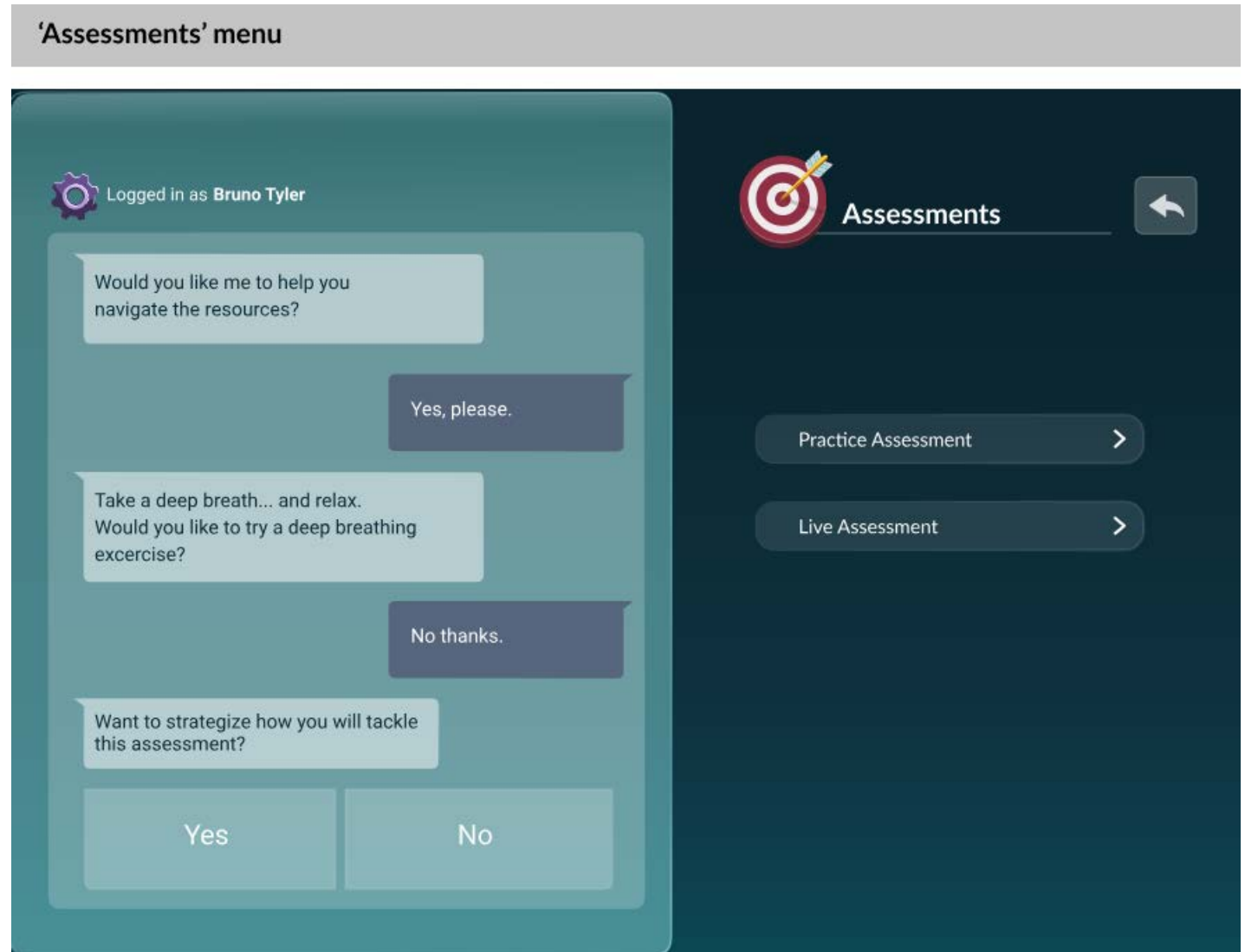
Which is closest to the cost of covering the roof?

- A $\$7540$
- B $\$12\,570$
- C $\$15\,080$
- D $\$37\,700$



LIVE ASSESSMENT

'Assessments' menu



The screenshot displays the 'Assessments' menu interface. At the top, a grey header bar contains the text "'Assessments' menu". Below this, the interface is split into two main sections. On the left, a teal chatbot window is active, showing a conversation with a user named Bruno Tyler. The chatbot has sent three messages: "Would you like me to help you navigate the resources?", "Take a deep breath... and relax. Would you like to try a deep breathing exercise?", and "Want to strategize how you will tackle this assessment?". The user has responded with "Yes, please." and "No thanks.". At the bottom of the chatbot window, there are two buttons labeled "Yes" and "No". On the right, a dark blue sidebar contains the "Assessments" title with a target icon and a back arrow. Below the title, there are two buttons: "Practice Assessment" and "Live Assessment", both with right-pointing arrows.

Logged in as Bruno Tyler

Would you like me to help you navigate the resources?

Yes, please.

Take a deep breath... and relax. Would you like to try a deep breathing exercise?

No thanks.

Want to strategize how you will tackle this assessment?

Yes No

Assessments

Practice Assessment >

Live Assessment >

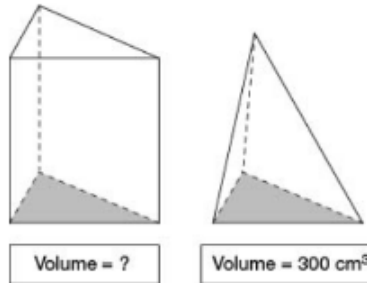
LIVE ASSESSMENT

Test

- Question 1
- Question 2
- Question 3
- Question 4
- Question 5
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10
- Question 11
- Question 12
- Question 13
- Question 14
- Question 15
- Question 16
- Question 17
- Question 18



The triangular-based prism and triangular-based pyramid pictured have the **same height**, and their bases have the **same area**.



What is the volume of the prism?

- A 100 cm³
- B 150 cm³
- C 600 cm³
- D 900 cm³



QUESTIONS AND ANSWERS

