

# Paper SRTs Guide for Educators

This guide provides educators with information on the [paper Student Readiness Tools \(SRTs\)](#) (Minnesota Assessment Hub > Resources & Training > Student Readiness Tools (SRTs) > Paper SRTs) for students preparing to take a paper MCA.

The paper SRTs can be used to familiarize students with the look and feel of a paper MCA, the types of questions on the test, and how to indicate answers to questions. It is important that students understand how to correctly indicate their answers, as district staff must enter student responses into an online data entry form during testing in order for their responses to be scored.

Note: The SRTs are not representative of the grade-level content of the MCAs. The [Minnesota Questions Tool \(MQT\)](#) (Testing 1, 2, 3 > Assess > Released MCA Questions) contains released test questions from past MCAs. Educators can use these test questions to better understand how the MCA is aligned to the Minnesota K-12 Academic Standards and how the questions are written to reflect the varied rigor and complexity of the standards.

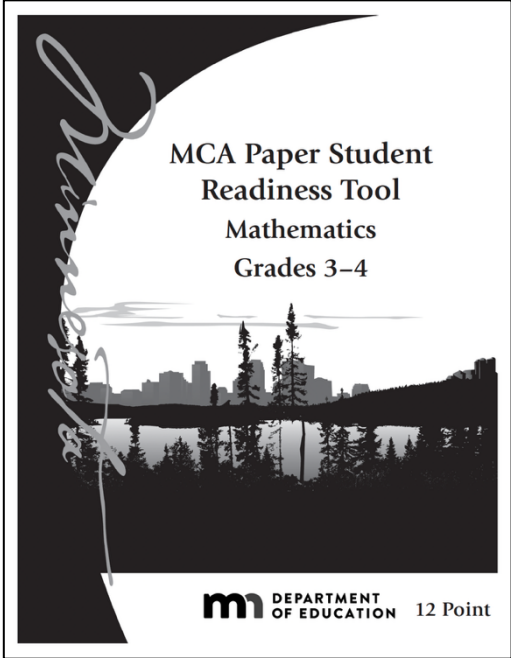
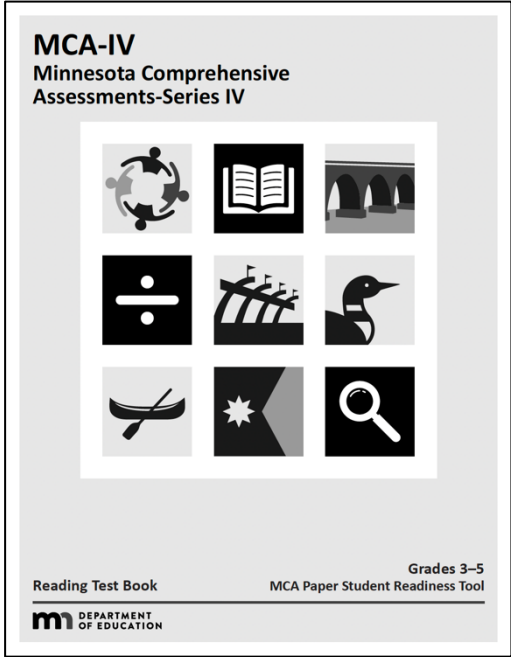
Educators can familiarize themselves with the paper SRTs before using the tools with students. Educators may also use the paper SRTs in conjunction with the [online SRTs](#) (Minnesota Assessment Hub > Resources & Training > Student Readiness Tools (SRTs) > Online SRTs) to identify the appropriate accommodations for their students.

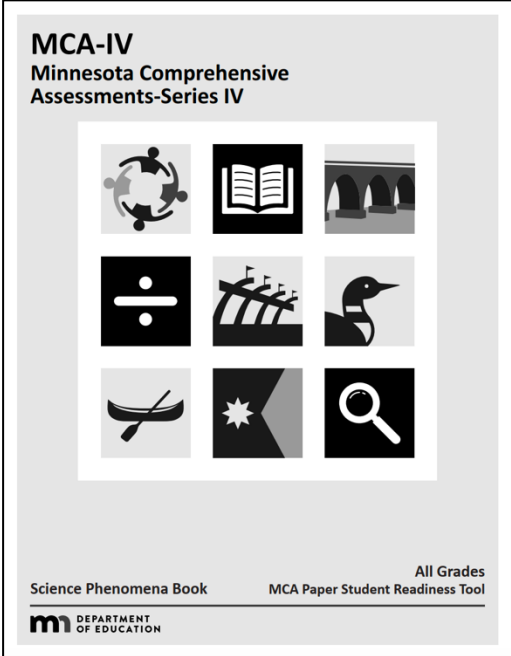
This guide outlines the various components of the paper SRTs and how they can be effectively used to prepare students for the MCAs.

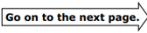


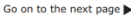


If you are printing the mathematics large print (18- and 24-point) paper SRTs, refer to the following steps to ensure they print correctly.

- Load 11" x 17" size paper into your printer
- Select 11" x 17" page size within the Printer options on your device
- Print at 100% scale (do not scale to fit page)

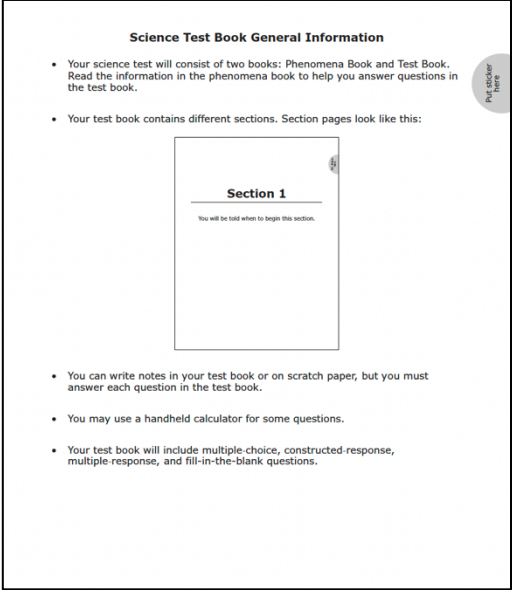
If you are printing the reading or science large print (18-point) paper SRTs, use 8.5" x 11" paper. Although the font size is increased to 18-point, the paper size is 8.5" x 11". More information on the paper materials can be found in the [Guidance for Universal Supports and Accommodations for Minnesota Statewide Assessments](#) on MDE's website (MDE > Districts, Schools and Educators > Teaching and Learning > Statewide Testing > District Resources > under the Universal Supports and Accommodations Resources expandable heading).

Information	Sample Image
<p><b>Title Page – Mathematics SRTs</b></p> <p>Mathematics paper SRTs are available for grade-level groupings 3–4, 5–6, 7–8, and 11. They are ordered in 12–point, 18–point, and 24–point font. Braille versions of all paper SRTs are available to order. SRT scripts for mathematics are also available. The braille and SRT scripts include additional information for the Test Monitor who will use these materials with students.</p>	 <p>Sample shown: MCA Paper SRT Grades 3–4 Mathematics</p>
<p><b>Title Page – Grades 3–5 Reading, Grades 6–10 Reading, and All Grades Science SRTs</b></p> <p>Reading paper SRTs are available for grades 3–5 and 6–10. They are ordered in 12–point and 18–point font. These SRTs consist of a Reading Passages Book and a Reading Test Book, which should be used together. Braille versions of these materials are available to order. A reading SRT script is also available. The braille and SRT scripts include additional information for the Test Monitor who will use these materials with students.</p>	 <p>Sample shown: MCA Paper SRT Grades 3–5 Reading Test Book</p>

Information	Sample Image
<p>The science paper SRT is intended to be used for all grades of science (5, 8, and high school). It is ordered in 12-point and 18-point font. This SRT consists of a Science Phenomena Book and a Science Test Book, which should be used together. Braille versions of these materials are available to order. A science SRT script is also available. The braille and SRT scripts include additional information for the Test Monitor who will use these materials with students.</p>	 <p>Sample shown: MCA Paper SRT All Grades Science Phenomena Book</p>

Information	Sample Image
<p><b>Symbols on the Test</b></p> <p>The <i>Symbols on the Test</i> page is included in all versions of the paper SRTs. It provides information about the symbols students will see on the paper MCAs. The mathematics symbols and reading and science symbols differ slightly in appearance.</p> <p>Educators may take time to discuss these symbols with students and point them out to students as they move through the paper SRT.</p>	<div data-bbox="927 331 1438 926" style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;"><b>Symbols on the Test</b></p> <p>You will see the following symbols in your test book:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  </div> <div> <p>This symbol means you can continue answering questions on the next page.</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div> <p>This symbol means you have finished a segment of the test. You must wait until you are told to go to the next segment.</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div> <p>This symbol indicates where to place the sticker given to you by the Test Monitor to seal a finished segment.</p> </div> </div> </div> <p style="text-align: center;">(Mathematics)</p> <div data-bbox="927 1033 1438 1627" style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p style="text-align: center;"><b>Symbols on the Test</b></p> <p>You will see the following symbols in your test book:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  </div> <div> <p>This symbol means you can continue answering questions on the next page.</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div> <p>This symbol means you have finished a section of the test. You must wait until you are told to go to the next segment.</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div> <p>This symbol indicates where to place the sticker given to you by the Test Monitor to seal a finished section.</p> </div> </div> </div> <p style="text-align: center;">(Reading and Science)</p>




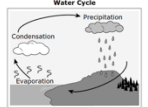
Information	Sample Image
<p><b>General Information – All Grades Science SRT</b></p> <p>A general information page is included in the SRT phenomena book and the SRT test book. This page includes important information that familiarizes students with the format of the Science paper MCA and the types of questions they will encounter.</p>	 <p>The sample image shows a page titled "Science Test Book General Information". It contains the following text and list items:</p> <ul style="list-style-type: none"> <li>Your science test will consist of two books: Phenomena Book and Test Book. Read the information in the phenomena book to help you answer questions in the test book.</li> <li>Your test book contains different sections. Section pages look like this:             <div data-bbox="1101 478 1263 688" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>Section 1</b></p> <p style="text-align: center;"><small>You will be told when to begin this section.</small></p> </div> </li> <li>You can write notes in your test book or on scratch paper, but you must answer each question in the test book.</li> <li>You may use a handheld calculator for some questions.</li> <li>Your test book will include multiple-choice, constructed-response, multiple-response, and fill-in-the-blank questions.</li> </ul> <p style="text-align: right; font-size: small;">Put sticker here</p>

Sample shown: *Science Test Book General Information*

Information	Sample Image
<p><b>Sample Questions and Practice Pages – Grades 3–5 and 6–10 Reading SRTs</b></p> <p>The reading SRTs each consist of two resources: a passages book and a test book. The SRT passages book contains a sample passage and a practice passage. The SRT test book contains the passages' corresponding sample questions and practice questions. These resources give students the opportunity to view sample passages and test questions and practice answering each type of question they may encounter on the test.</p> <p>Reading paper MCAs contain two types of questions that require students to input answers differently. Answers must be recorded in the test book, not in the passages book. The purpose of the sample and practice questions is to show students how to correctly mark their answers for each type of question within the test book, not to practice getting the “right” answer. At the top of each sample question and practice page, an explanation is provided to help guide students on how to correctly indicate an answer.</p>	<p><b>Sample Image</b></p> <p>The top image shows two pages from a reading SRT. The left page is titled 'Creatures of the Night' and contains a sample passage about bats. The right page contains sample questions related to the passage. The bottom image shows two pages from a reading SRT. The left page is titled 'Out of the Dark' and contains a sample passage about a cave. The right page contains sample questions related to the passage.</p> <p><b>Sample shown: Grades 3–5 Reading Paper SRT Passages Book Sample Passage, pages 6–7</b></p> <p><b>Sample shown: Grades 3–5 Reading Paper SRT Passages Book Practice Passage, pages 10–11</b></p>

Information	Sample Image
<p>Educators may practice each question type with students by reviewing the sample passage and sample question first, having students practice independently, and then reviewing the students' approaches together, practicing again if needed.</p> <p>Note: The answers to all practice questions are provided at the top of the page. This ensures that students are able to focus on practicing marking their answer rather than on identifying the correct answer.</p> <p>For additional tips on using sample questions with students, refer to the <i>Appendix: Tips for Sample Questions</i> section of this document.</p>	<div data-bbox="857 338 1507 753"> </div> <p>Sample shown: Grades 3-5 Reading Paper SRT Test Book Sample Question, pages 4-5</p> <div data-bbox="857 884 1507 1304"> </div> <p>Sample shown: Grades 3-5 Reading Paper SRT Test Book Practice Question, pages 8-9</p>

Information	Sample Image
<p><b>Sample Questions and Practice Pages – Mathematics SRTs</b></p> <p>Each section of the mathematics paper SRTs contains sample and practice question pages. These pages give students the opportunity to view sample test questions and practice answering each type of question they may encounter on the test.</p> <p>Mathematics paper MCAs contain various types of questions that require students to input answers differently. The purpose of the sample and practice questions is to show students how to correctly mark their answers for each type of question within a test book, not to practice getting the “right” answer. At the top of each sample question and practice page, an explanation is provided to help guide students on how to correctly indicate an answer.</p> <p>Educators may practice each question type with students by reviewing the sample question first, having students practice independently, and then reviewing the students’ approaches together, practicing again if needed.</p> <p>Note: The answers to all practice questions are provided at the top of the page. This ensures that students are able to focus on practicing marking their answer rather than on identifying the correct answer.</p> <p>For additional tips on using sample questions with students, refer to the <i>Appendix: Tips for Sample Questions</i> section of this document.</p>	<p>Sample shown: Grades 3–4 Mathematics 12-point Paper SRT, pages 11–12</p>

Information	Sample Image																								
<p><b>Sample Questions and Practice Pages – All Grades Science SRT</b></p> <p>The science SRT consists of two resources: a phenomena book and a test book. The SRT phenomena book contains a sample phenomenon and a practice phenomenon. The SRT test book contains the phenomena’s corresponding sample questions and practice questions. These resources give students the opportunity to view sample phenomena and test questions and practice answering each type of question they may encounter on the test.</p> <p>Science paper MCAs contain various types of questions that require students to input answers differently. Answers must be recorded in the test book, not in the phenomena book. The purpose of the sample and practice questions is to show students how to correctly mark their answers for each type of question within the test book, not to practice getting the “right” answer. At the top of each sample question and practice page, an explanation is provided to help guide students on how to correctly indicate an answer.</p>	<div data-bbox="857 373 1507 781"> <p><b>Pond Ecosystem – Tab A</b></p> <p>Review the sample phenomenon presented in Tab A and Tab B. Then review the corresponding sample questions in the SRT test book.</p> <p><b>Sample Phenomenon</b></p> <p><b>Tab A</b></p> <p>A teacher brings her students to observe a small pond. They notice many kinds of animals, including fish, snails, muskies, leeches, and ducks.</p>  <p>Go on to the next page ▶</p> <p>6</p> </div> <div data-bbox="1185 373 1507 781"> <p><b>Pond Ecosystem – Tab B</b></p> <p><b>Sample Phenomenon</b></p> <p><b>Tab B</b></p> <p>A student saw clouds form over a lake near the pond. Later it rained on the land. The student made this picture of the water cycle.</p> <p><b>Water Cycle</b></p>  <p>Go on to the next page ▶</p> <p>7</p> </div> <p style="text-align: center;">Sample shown: All Grades Science Paper SRT Phenomena Book Sample Phenomenon, pages 6-7</p> <div data-bbox="857 955 1507 1369"> <p><b>Pet Species – Tab A</b></p> <p><b>Practice</b></p> <p>Using the information in Tab A, practice answering questions 1 and 2 in the SRT test book.</p> <p>Many people have pets. The most common pet species include dogs, fish, and cats. There is a wide variety of breeds within each species. The chart below lists different breeds by pet species.</p> <table border="1" data-bbox="958 1060 1079 1134"> <thead> <tr> <th colspan="3">Pets</th> </tr> <tr> <th>Dogs</th> <th>Fish</th> <th>Cats</th> </tr> </thead> <tbody> <tr> <td>Spaniel</td> <td>Koi</td> <td>Sphynx</td> </tr> <tr> <td>Dalmatian</td> <td>Betta</td> <td>Siamese</td> </tr> <tr> <td>Pug</td> <td>Goldfish</td> <td>American Shorthair</td> </tr> </tbody> </table> <p>Go on to the next page ▶</p> <p>10</p> </div> <div data-bbox="1185 955 1507 1369"> <p><b>Pet Species – Tab B</b></p> <p><b>Practice</b></p> <p>Using the information in Tab B, practice answering questions 3 and 4 in the SRT test book.</p> <p>Students took a survey about the species of their pets. Below is a chart showing how many students own each species of pet.</p> <table border="1" data-bbox="1274 1060 1404 1092"> <thead> <tr> <th colspan="3">Student Pets</th> </tr> <tr> <th>Dogs</th> <th>Fish</th> <th>Cats</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>5</td> <td>8</td> </tr> </tbody> </table> <p style="text-align: center;"><b>STOP</b></p> <p>Go on to the next page ▶</p> <p>11</p> </div> <p style="text-align: center;">Sample shown: All Grades Science Paper SRT Phenomena Book Practice Phenomenon, pages 10-11</p>	Pets			Dogs	Fish	Cats	Spaniel	Koi	Sphynx	Dalmatian	Betta	Siamese	Pug	Goldfish	American Shorthair	Student Pets			Dogs	Fish	Cats	10	5	8
Pets																									
Dogs	Fish	Cats																							
Spaniel	Koi	Sphynx																							
Dalmatian	Betta	Siamese																							
Pug	Goldfish	American Shorthair																							
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10	5	8																							

Information	Sample Image
<p>Educators may practice each question type with students by reviewing the sample phenomena and sample question first, having students practice independently, and then reviewing the students' approaches together, practicing again if needed.</p> <p>Note: The answers to all practice questions are provided at the top of the page. This ensures that students are able to focus on practicing marking their answer rather than on identifying the correct answer.</p> <p>For additional tips on using sample questions with students, refer to the <i>Appendix: Tips for Sample Questions</i> section of this document.</p>	<p>Sample shown: All Grades Science Paper SRT Test Book Sample Question, pages 4-5</p> <p>Sample shown: All Grades Science Paper SRT Test Book Practice Question, pages 10-11</p>

## Setting Up the Paper SRTs for Success

The paper SRTs prepare students for testing by familiarizing them with the look and feel of a paper MCA, the types of questions on the test, and how to indicate answers to questions. Ultimately, the goal of the SRTs is to ensure that students feel comfortable and confident taking the test on testing day and know how to indicate responses.

The paper SRTs are:	The paper SRTs are not:
<ul style="list-style-type: none"> <li>• Tools to help educators and students become familiar with the test format and how to indicate answers.</li> <li>• Resources for educators to use in a way that best suits their students' needs and instructional goals.</li> </ul>	<ul style="list-style-type: none"> <li>• High-stakes assessments.</li> <li>• Practice or sample tests (The SRTs focus on format rather than on test content).</li> </ul>

## Appendix: Tips for Sample Questions

Best practice for using the paper SRTs with students is at the discretion of the educator and should be tailored to student needs. For example, some educators may choose to practice all subjects with a student in a given day while others may focus on only one subject per day.

The following pages provide additional information on how to best utilize the content within the *Sample Question* and *Practice* pages.

## Grades 3–5 Reading Paper SRT

The grades 3–5 reading resource consists of a passages book and test book. The following tables include important information about sample passages and questions and their corresponding practice pages. It is recommended to have the Grades 3–5 Reading Paper SRT resources available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18) of the paper SRT being used, as indicated in parentheses in the left column.

### Sample Passage and Sample Questions

Note: The sample passage can be found on pages 6–7 (12) or pages 6–8 (18).

Sample Question Page Numbers	Sample Questions
5 (12 & 18)	Shows a multiple-choice question. Educators and students should focus on reviewing the sample passage in the passages book and marking the answer in the test book by circling an option.
6 (12 & 18)	Shows a multiple-response question. Educators and students should focus on reviewing the sample passage in the passages book and indicating the answer in the test book by marking the correct number of boxes.

### Practice Passage and Practice Questions

Note: The practice passage can be found on pages 10–11 (12) or pages 10–13 (18).

Practice Question Page Numbers	Practice Questions
9 (12 & 18)	<p>Educators should allow students to practice referencing the practice passage to answer this multiple-choice question. Students should practice circling option B to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>

Practice Question Page Numbers	Practice Questions
<p>10 (12)</p> <p>10-11 (18)</p>	<p>Educators should allow students to practice referencing the practice passage to answer this multiple-response question. Students should practice marking the first and third boxes to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students should carefully read the instructions in the question to understand how many options to select.</li> <li>• Students may mark the boxes with an “X,” a check mark, or any other clearly-indicated symbol.</li> </ul>

## Grades 6–10 Reading Paper SRT

The grades 6–10 reading resource consists of a passages book and test book. The following tables include important information about sample passages and questions and their corresponding practice pages. It is recommended to have the Grades 6–10 Reading Paper SRT resources available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18) of the paper SRT being used, as indicated in parentheses in the left column.

### Sample Passage and Sample Questions

Note: The sample passage can be found on pages 6–8 (12) or pages 6–10 (18).

Sample Question Page Numbers	Sample Questions
5 (12 & 18)	Shows a multiple-choice question. Educators and students should focus on reviewing the sample passage in the passages book and marking the answer in the test book by circling an option.
6 (12) 6–7 (18)	Shows a multiple-response question. Educators and students should focus on reviewing the sample passage in the passages book and indicating the answer in the test book by marking the correct number of boxes.

### Practice Passage and Practice Questions

Note: The practice passage can be found on pages 10–12 (12) or pages 12–16 (18).

Practice Question Page Numbers	Practice Questions
9 (12 & 18)	<p>Educators should allow students to practice referencing the practice passage to answer this multiple-choice question. Students should practice circling option C to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>

Practice Question Page Numbers	Practice Questions
10 (12) 10-11 (18)	<p>Educators should allow students to practice referencing the practice passage to answer this multiple-response question. Students should practice marking the second and third boxes to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"><li>• Students should carefully read the instructions in the question to understand how many options to select.</li><li>• Students may mark the boxes with an “X,” a check mark, or any other clearly-indicated symbol.</li></ul>

## Grades 3–4 Mathematics Paper SRT

The grades 3–4 mathematics resource consists of sample and practice questions. The following table includes important information about sample questions and their corresponding practice pages. It is recommended to have the Grades 3–4 Paper SRT available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18, 24) of the paper SRT being used, as indicated in parentheses in the left column.

Page Numbers	Sample Question Answered in Test Book	Practice
5–7 (12, 18, & 24)	Shows a multiple-choice question. Educators and students should focus on marking the answer by circling an option.	Educators should allow students to practice circling option B on page 6 and option C on page 7. <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>

## Grades 5–6 Mathematics Paper SRT

The grades 5–6 mathematics resource consists of sample and practice questions. The following table includes important information about sample questions and their corresponding practice pages. It is recommended to have the Grades 5–6 Paper SRT available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18, 24) of the paper SRT being used, as indicated in parentheses in the left column.

Page Numbers	Sample Question Answered in Test Book	Practice
5–7 (12, 18, & 24)	Shows a multiple-choice question. Educators and students should focus on marking the answer by circling an option.	<p>Educators should allow students to practice circling option B on page 6 and option C on page 7.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>
8 (12, 18, & 24)	Shows a fill-in-the-blank question. Educators and students should focus on the importance of using only symbols that are allowed when writing an answer. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)	N/A
9–10 (12, 18, & 24)	Shows a fill-in-the-blank question with an answer that is a decimal number. Educators and students should focus on the question's bolded instructions, which indicate that a decimal number is one of the accepted formats for this type of question.	<p>Educators should allow students to practice writing 0.3 in the space provided.</p> <p><b>Tip:</b> Students can read the bolded instructions again independently in order to better understand the importance of using only allowable symbols in their answer.</p>

Page Numbers	Sample Question Answered in Test Book	Practice
11-12 (12, 18, & 24)	<p>Shows a fill-in-the-blank question with a mixed-number answer that is changed into an improper fraction. Educators and students should focus on the question's bolded instructions, which indicate that a mixed number must be converted into an improper fraction or a decimal because a mixed number is <b>not</b> one of the accepted formats for this type of question. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)</p> <p><b>Note:</b> 7.75 is also an acceptable answer.</p>	<p>Educators should allow students to practice converting the mixed-number answer and writing <math>8\frac{7}{8}</math> or 10.875 in the space provided.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may read the bolded instructions again independently in order to better understand the importance of changing a mixed number into an improper fraction or a decimal and to better understand the importance of using only allowable symbols in their answer.</li> <li>• Students should not use a horizontal fraction bar when inputting the answer.</li> </ul>

## Grades 7–8 Mathematics Paper SRT

The grades 7–8 mathematics resource consists of sample and practice questions. The following table includes important information about sample questions and their corresponding practice pages. It is recommended to have the Grades 7–8 Paper SRT available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18, 24) of the paper SRT being used, as indicated in parentheses in the left column.

Page Numbers	Sample Question Answered in Test Book	Practice
5–7 (12, 18, & 24)	Shows a multiple-choice question. Educators and students should focus on marking the answer by circling an option.	<p>Educators should allow students to practice circling option C on page 6 and option C on page 7.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>
8 (12, 18, & 24)	Shows a fill-in-the-blank question. Educators and students should focus on the importance of using only symbols that are allowed when writing an answer. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)	N/A
9–10 (12, 18, & 24)	Shows a fill-in-the-blank question with an answer that is a negative decimal number. Educators and students should focus on the question's bolded instructions, which indicate that a negative and/or decimal number is one of the accepted formats for this type of question.	<p>Educators should allow students to practice writing <math>-0.32</math> in the space provided.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students can read the bolded instructions again independently in order to better understand the importance of using only allowable symbols in their answer.</li> </ul>

Page Numbers	Sample Question Answered in Test Book	Practice
		<ul style="list-style-type: none"> <li>Students should practice clearly writing a negative sign in front of a decimal number.</li> </ul>
11-12 (12, 18, & 24)	<p>Shows a fill-in-the-blank question with a mixed-number answer that is changed into an improper fraction. Educators and students should focus on the question's bolded instructions, which indicate that a mixed number must be converted into an improper fraction or a decimal because a mixed number is <b>not</b> one of the accepted formats for this type of question. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)</p> <p><b>Note:</b> 1.125 is also an acceptable answer.</p>	<p>Educators should allow students to practice converting the mixed-number answer and writing <math>3\frac{25}{4}</math> or 81.25 in the space provided.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>Students may read the bolded instructions again independently in order to better understand the importance of changing a mixed number into an improper fraction or a decimal and to better understand the importance of using only allowable symbols in their answer.</li> <li>Students should not use a horizontal fraction bar when inputting the answer.</li> </ul>

## Grade 11 Mathematics Paper SRT

The grade 11 mathematics resource consists of sample and practice questions. The following table includes important information about sample questions and their corresponding practice pages. It is recommended to have the Grade 11 Mathematics Paper SRT available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18, 24) of the paper SRT being used, as indicated in parentheses in the left column.

Page Numbers	Sample Question Answered in Test Book	Practice
5-7 (12, 18, & 24)	Shows a multiple-choice question. Educators and students should focus on marking the answer by circling an option.	<p>Educators should allow students to practice circling option C on page 6 and option C on page 7.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>
8 (12 & 18) 8-9 (24)	Shows a fill-in-the-blank question. Educators and students should focus on the importance of using only symbols that are allowed when writing an answer. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)	N/A
9-10 (12 & 18) 10-11 (24)	Shows a fill-in-the-blank question with an answer that is a decimal number. Educators and students should focus on the question's bolded instructions, which indicate that a negative and/or decimal number is one of the accepted formats for this type of question.  <b>Note:</b> The improper fraction $-21/20$ is also an acceptable answer.	<p>Educators should allow students to practice writing <math>-39.4</math> in the space provided.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may read the bolded instructions again independently in order to better understand the importance of using only allowable symbols in their answer.</li> </ul>

Page Numbers	Sample Question Answered in Test Book	Practice
		<ul style="list-style-type: none"> <li>• Students should practice clearly writing a negative sign in front of a decimal number.</li> <li>• The educator should note that the improper fraction <math>-197/5</math> is also an acceptable answer.</li> </ul>
<p>11-12 (12 &amp; 18) 12-14 (24)</p>	<p>Shows a fill-in-the-blank question with a mixed-number answer that is changed into an improper fraction. Educators and students should focus on the question's bolded instructions, which indicate that a mixed number must be converted into an improper fraction or a decimal because a mixed number is <b>not</b> one of the accepted formats for this type of question. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)</p> <p><b>Note:</b> 3.25 is also an acceptable answer.</p>	<p>Educators should allow students to practice converting the mixed-number answer and writing <math>3/2</math> or 1.5 in the space provided.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may read the bolded instructions again independently in order to better understand the importance of changing a mixed number into an improper fraction or a decimal and to better understand the importance of using only allowable symbols in their answer.</li> <li>• Students should not use a horizontal fraction bar when inputting the answer.</li> </ul>

## All Grades Science Paper SRT

The all grades science resource consists of a phenomena book and test book for students in grades 5, 8, and high school. The following tables include important information about sample phenomena and questions and their corresponding practice pages. It is recommended to have the All Grades Science Paper SRT resources available when reviewing this section. Note: Page numbers may vary depending on the font size (12, 18) of the paper SRT being used, as indicated in parentheses in the left column.

### Sample Phenomenon and Sample Questions

Note: The sample phenomenon consists of two tabs: Tab A (page 6) and Tab B (page 7) (12 & 18).

Sample Question Page Numbers	Sample Questions
5 (12 & 18)	Shows a multiple-choice question and references Tab A of the sample phenomenon. Educators and students should focus on reviewing Tab A in the phenomena book and marking the answer in the test book by circling an option.
6 (12 & 18)	Shows a constructed-response question and references Tab B of the sample phenomenon. Educators and students should focus on reviewing Tab B in the phenomena book and writing an answer in the test book using the lines provided.
7 (12 & 18)	Shows a multiple-response question and references Tab A of the sample phenomenon. Educators and students should focus on reviewing Tab A in the phenomena book and indicating the answer in the test book by marking the correct number of boxes.
8 (12 & 18)	Shows a fill-in-the-blank question and references Tab B of the sample phenomenon. Educators and students should focus on reviewing Tab B in the phenomena book and writing the answer in the test book within the provided box. (Note: When entering student responses into the online data entry form for the MCA, the fill-in-the-blank box will not allow a space or comma to be entered.)

## Practice Phenomenon and Practice Questions

Note: The practice phenomenon consists of two tabs: Tab A (page 10) and Tab B (page 11) (12 & 18).

Practice Question Page Numbers	Practice Questions
11 (12 & 18)	<p>Educators should allow students to practice referencing Tab A of the practice phenomenon to answer this multiple-response question. Students should practice marking the boxes next to Sphynx, Siamese, and American Shorthair to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students should carefully read the bolded instructions in the question to understand how many options to select.</li> <li>• Students may mark the boxes with an “X,” a check mark, or any other clearly-indicated symbol.</li> </ul>
12-13 (12 & 18)	<p>Educators should allow students to practice referencing Tab A and Tab B of the practice phenomenon to answer this constructed-response question. Students should practice writing their answers on the lines provided within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students should practice writing legibly and only on the lines provided in the test book.</li> <li>• Students should know that they will be assessed on their content knowledge (not spelling, grammar, sentence mechanics, and format) on the test.</li> </ul>
14 (12 & 18)	<p>Educators should allow students to practice referencing Tab B of the practice phenomenon to answer this multiple-choice question. Students should practice circling option A to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"> <li>• Students may circle the letter, the text, or both the letter and text of the option.</li> <li>• Students should not circle multiple options.</li> </ul>

Practice Question Page Numbers	Practice Questions
14 (12) 15 (18)	<p>Educators should allow students to practice referencing Tab B of the practice phenomenon to answer this fill-in-the-blank question. Students should practice writing 3 in the box provided to answer the question within the test book.</p> <p><b>Tips:</b></p> <ul style="list-style-type: none"><li>• Students should practice writing legibly within the box.</li><li>• Students should know that only up to 5 digits can be entered in the box and that responses should be written without a comma as commas are not allowed during data entry, which is completed by designated staff during the testing window.</li></ul>