Appendix 3

Part A: Instructions Pages

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Grade 9 Provincial Achievement Test

Mathematics Part A

Description

There are 20 numerical-response questions on this test.

Time: 30 minutes. You have up to 60 minutes to complete this test should you need it.

Instructions

- Use **only** an **HB** pencil to mark your answer.
- You may use manipulatives; however, use of a calculator is **not** permitted.
- Try to answer every question.
- If you change an answer, **erase** your first mark or marks **completely**.
- When you have completed the test, please answer the **survey question**, which appears after the last test question.

You may write in this booklet if you find it helpful. Make sure that your answers to the numerical-response questions are placed on the answer sheet.

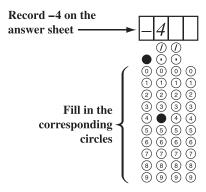
2019

Numerical Response

- Record your answer on the answer sheet provided by writing it in the boxes.
- Enter your answer, with one digit per box, beginning in the left-hand box. Each of the following, if needed, goes in its own box: a decimal point (.), a fraction bar (/), and a negative sign (–). Do not include a plus sign (+) if the answer is positive. Leave any unused boxes blank.
- You may fill in the bubbles below the boxes for each of your answers as you do the test; however, you may also fill in the bubbles after you have completed the test and your teacher has collected your test booklet.

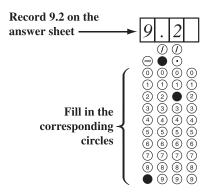
Example 1

Answer: -4



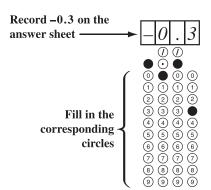
Example 2

Answer: 9.2



Example 3

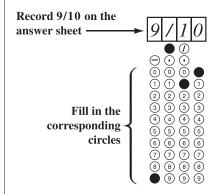
Answer: -0.3



Example 4

Answer:

(Record the **numerator** in the **first** column.) (Record the **fraction bar** in the **second** column.) (Record the denominator in the third and fourth columns.)

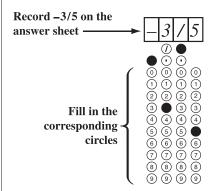


Example 5

Answer:

[-] 3 (Record the **negative sign** in the **first** column and the numerator in the second column.)

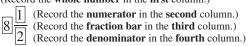
(Record the **fraction bar** in the **third** column.) (Record the **denominator** in the **fourth** column.)

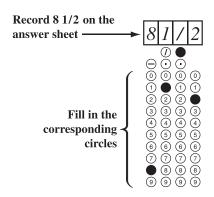


Example 6

Answer:

(Record the **whole number** in the **first** column.)





Example 7

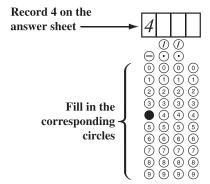
$$78.5 - 24.2 = 5_{..}3$$

In the equation above, which digit could be placed in the blank space to make the equation correct?

Answer: 5_.3

(Record only the missing digit on the answer sheet.)

Answer: 54.3



Example 8

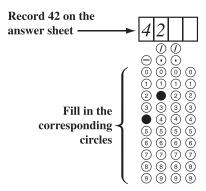
$$786.5 - 244.2 = 5$$
 .3

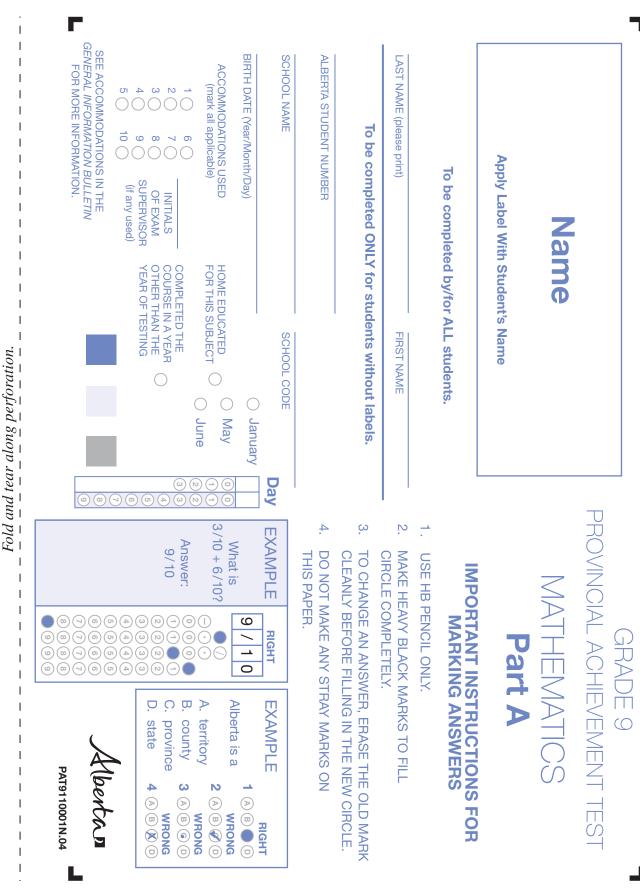
In the equation above, which two digits could be placed in the blank spaces to make the equation correct?

Answer: 5____.3

(Record only the two missing digits, in order, on the answer sheet.)

Answer: 5**42**.3





Alberta Education, Provincial Assessment Sector

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Math 9 Subject Bulletin 2018-2019

GRADE 9 MATHEMATICS Part A

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9999	9999 9999		9999 9999
8	9 10	11 12	13 14
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8888	888888 9999 999	8888	8888 9999 9999
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6666	6666 6666 7777 7777	7777 777	6 6 6 6 8 8 8 7 7 7 7 9 9 9
8888	8888 9999 9999		8 8 8 8 (min) 9 9 9 9

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Appendix 4

Part B: Instructions Pages

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Grade 9 Provincial Achievement Test

Mathematics Part B

Description

There are 32 multiple-choice questions and 8 numerical-response questions on this test.

Time: 80 minutes. You have up to 160 minutes to complete this test should you need it.

Instructions

- Use **only** an **HB** pencil to mark your answer.
- You may use a ruler, manipulatives, and a calculator; however, a graphing calculator is **not** permitted. Use of a protractor is also not permitted.
- Read each question carefully and choose the correct or best answer.
- Try to answer every question.
- If you change an answer, erase your first mark completely.
- Now read the detailed instructions for answering multiple-choice and numericalresponse questions.
- When you have completed the test, please answer the **survey question**, which appears after the last test question.

You may write in this booklet if you find it helpful. Make sure that your answers to the multiple-choice and numerical-response questions are placed on the answer sheet.

2019

Multiple Choice

- Each question has four possible answers from which you are to choose the correct or best answer.
- Locate the question number on the separate answer sheet provided and fill in the circle that corresponds to your choice.

Example

If x = 3, what is the value of x + 8?

- 10 A.
- В. 11
- C. 12
- D. 13

Answer: 11

Answer Sheet $A \bigcirc C \bigcirc$

Numerical Response

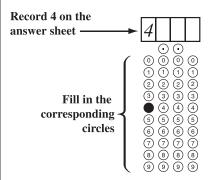
- · Record your answer on the answer sheet provided by writing it in the boxes and then by filling in the corresponding circles.
- Enter your answer, one digit per box, beginning in the left-hand box. A decimal point, if needed, goes in its own box. Leave any unused boxes blank.

Calculation Question and Solution

Example 1

What is 5-1?

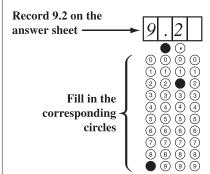
Answer: 4



Example 2

If x = 4.6, then what does 2x equal?

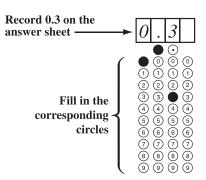
Answer: 9.2



Example 3

What is 5.4 - 5.1?

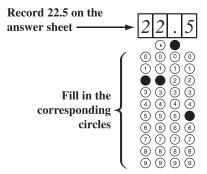
Answer: 0.3



Example 4

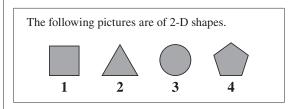
What is 7.5×3 ?

Answer: 22.5



Matching Question and Solution

Example

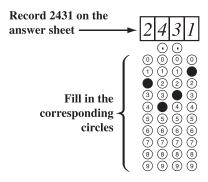


Match each shape, as numbered above, with its name, as given below.

Triangle Pentagon Quadrilateral Circle

(Record all four digits of your answer in the numericalresponse section on the answer sheet.)

Answer: 2431



BIRTH DATE (Year/Month/Day) LAST NAME (please print) GENERAL INFORMATION BULLETIN FOR MORE INFORMATION. SCHOOL NAME ALBERTA STUDENT NUMBER SEE ACCOMMODATIONS IN THE ACCOMMODATIONS USED (mark all applicable) To be completed ONLY for students without labels. 10 0 0 0 7 (0 Apply Label With Student's Name To be completed by/for ALL students **EXAM SUPERVISOR INITIALS OF** (if any used) FIRST NAME IN A YEAR OTHER THAN HOME EDUCATED FOR THIS SUBJECT THE YEAR OF TESTING SCHOOL CODE Fold and tear along perforation. \bigcirc \bigcirc PROVINCIAL ACHIEVEMENT TEST ω Ņ **EXAMPLE** 5.4 - 5.1?What is Answer TO CHANGE AN ANSWER, ERASE THE OLD MARK MAKE HEAVY BLACK MARKS TO FILL THIS PAPER DO NOT MAKE ANY STRAY MARKS ON CLEANLY BEFORE FILLING IN THE NEW CIRCLE. CIRCLE COMPLETELY. 0.3 USE HB PENCIL ONLY. IMPORTANT INSTRUCTIONS FOR **MATHEMATICS** MARKING ANSWERS RIGHT ယ (4 (D) (D) (P) \circ Alberta is **EXAMPLE** county state territory province PAT9110001M.03 ယ N A B D A B O A B O D WRONG WRONG WRONG RIGHT

