



## **Provincial Mathematics Assessment at Grade 3**

**English Prime**

# **Sample Assessment**

**2011**



**PROVINCIAL ASSESSMENT PROGRAM**

Provincial Mathematics Assessment Program: Information Bulletin

February, 2011

Assessment and Evaluation Branch  
Department of Education and Early Childhood Development  
Province of New Brunswick  
P.O. Box 6000  
Fredericton, N.B.  
E3B 5H1  
Canada

[www.gnb.ca/education](http://www.gnb.ca/education)

# For the teacher

## Information Regarding the Provincial Mathematics Assessment at Grade 3

All elementary assessments will take place from May 26<sup>th</sup> to June 2<sup>nd</sup>, 2011. In response to teacher feedback, the Provincial Mathematics Assessment at Grade 3 will consist of three separate parts which can be administered on a flexible schedule at any time during the elementary administration schedule (please note: the content has not increased). The general layout of the assessment will be as follows:

<b>Grade 3</b>
<b>Part A:</b> <i>Mental Math</i> <i>Multiple Choice</i>
<b>Part B:</b> <i>Mental Math</i> <i>Multiple Choice</i>
<b>Part C:</b> <i>Basic Facts (separate sheet)</i> <i>Constructed Response</i>

To assist teachers and to ensure consistent administration, all teachers will use the *Teacher Guide* in the administration of the May/June assessment. Every teacher will receive the *Teacher Guide* along with each class set of assessment booklets.

All items within the mathematics assessments are aligned to the New Brunswick Mathematics Curriculum. The following sample assessment is provided to illustrate the questions and test formatting and is not, in any way, meant to be a comprehensive representation of the assessment.

For further information on the Mathematics Assessment at Grade 3, please see the 2011 Mathematics Information Bulletin located on the portal on the Assessment and Evaluation site: <https://portal.nbed.nb.ca/tr/AaE/Pages/default.aspx>

NB: Part A is provided as a rough guide for timing. Part B of the May/June assessment has a similar layout and number of questions.

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# **Provincial Mathematics Assessment at Grade 3**

## **Sample Assessment Part A**

**INSTRUCTIONS FOR STUDENTS:**

- Some parts of this assessment require written answers. For these questions, be sure to show your thinking.
- Other parts of this assessment require you to select the correct answer. For these questions you will shade the bubble of the correct answer.

**Solve the following questions using a MENTAL MATH STRATEGY. Please write your answers in the spaces provided. Show your thinking.**

1. Explain the mental math strategy you would use to add 17 and 26.

Show your thinking and solve the problem.

2. You have 14 marbles. You want 30. How many more do you need?

Show your thinking and solve the problem.

3. To subtract 29 from 71, John says he'd rather subtract 30 from 72. Explain John's thinking and solve the problem.

**Solve the following questions by filling in the bubble of the correct answer.**

4. Which number is made up of exactly 4 tens and 15 ones?
- (A) 415
  - (B) 55
  - (C) 45
  - (D) 19

5. The number of students in the grade 3 classes are:

Miss Smith's class	25 students
Mrs. Brown's class	19 students
Mr. Robert's class	31 students

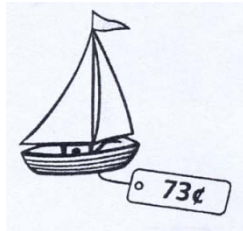
How many students are there in all?

- (A) 65
- (B) 615
- (C) 111
- (D) 75
6. Fill in the missing numbers:

76, 86, 96, \_\_\_\_\_, \_\_\_\_\_

- (A) 97, 98
- (B) 98, 100
- (C) 106, 116
- (D) 116, 126

7. Look at the picture of the toy. Ben used the exact change to buy it. Circle the letter beside the choice that shows the coins that he used.



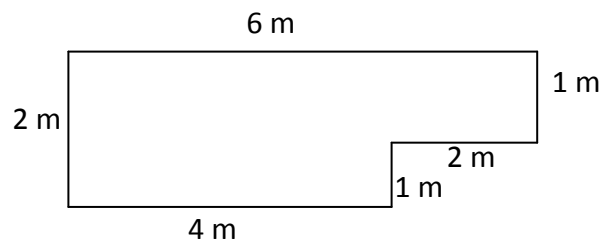
(A) 

(B) 

(C) 

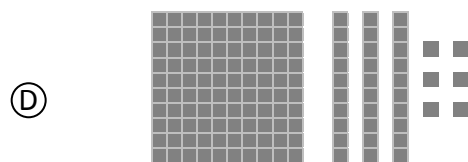
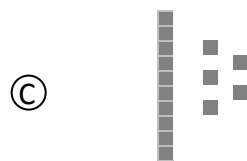
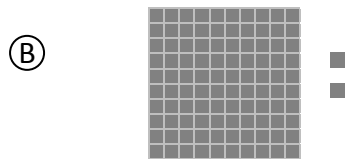
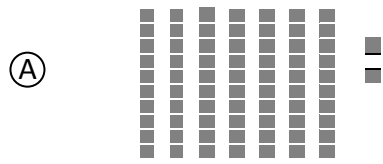
(D) 

8. Robert built a dog pen. What is the perimeter of his dog pen?



- (A) 12
- (B) 13
- (C) 14
- (D) 16

9. Which picture represents 136?



10. Janet has 47¢. She needs 90¢ to buy a small toy. How much more does she need?

Ⓐ 57¢

Ⓑ 43¢

Ⓒ 47¢

Ⓓ 53¢

11. What number is halfway between 360 and 400?

Ⓐ 365

Ⓑ 370

Ⓒ 375

Ⓓ 380

12. Which is the same as  $94 + 75$ ?

Ⓐ  $97 + 45$

Ⓑ  $74 + 95$

Ⓒ  $95 + 47$

Ⓓ  $97 + 54$

13. Angela's birthday is October 13. Her brother's birthday is exactly one week earlier. What is the date of his birthday?

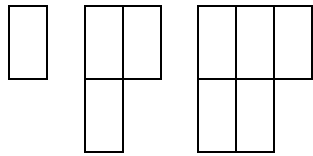
Ⓐ October 3

Ⓑ October 6

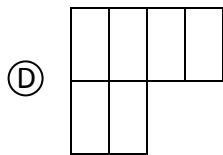
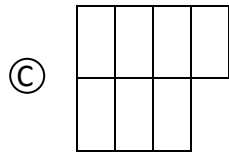
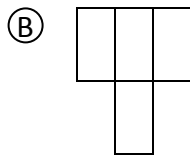
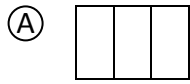
Ⓒ October 12

Ⓓ October 20

14. Here is a pattern of boxes.



Which shape could come next?



15.  $339 + 581 = \square$

Ⓐ 910

Ⓑ 810

Ⓒ 820

Ⓓ 920

16. Which might be the mass of a paper clip?

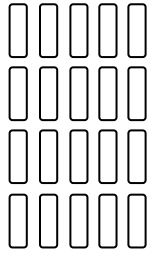
Ⓐ 1 g

Ⓑ 100 g

Ⓒ 1000 g

Ⓓ 10 kg

17. Look at the picture below.



What fact does this show?

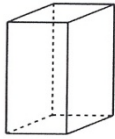
Ⓐ  $4 + 5$

Ⓑ  $4 \times 5$

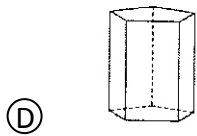
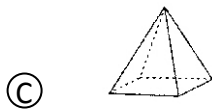
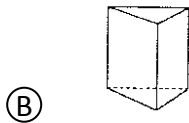
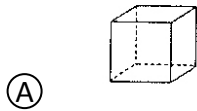
Ⓒ  $5 - 4$

Ⓓ  $5 \div 4$

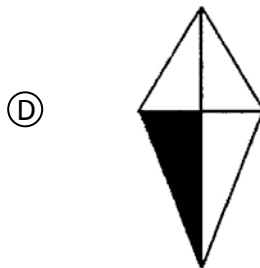
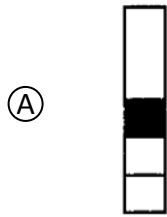
18. Look at the 3-D solid below.



Which 3-D solid below has the same number of edges as the 3-D solid shown above?



19. Which black section shows  $\frac{1}{4}$  of the figure?



20. Which is  $38 + 64$ ?

Ⓐ 912

Ⓑ 92

Ⓒ 102

Ⓓ 26

21. Jen wants to have the longest play time that she can. Which choice shows the longest time?

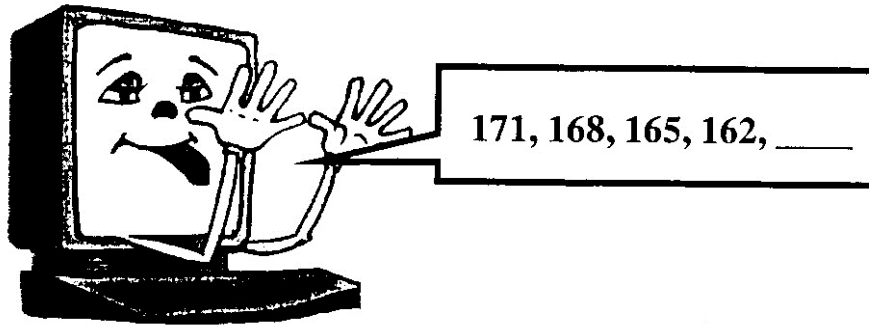
Ⓐ 5 minutes

Ⓑ 5 seconds

Ⓒ 50 minutes

Ⓓ 1 hour

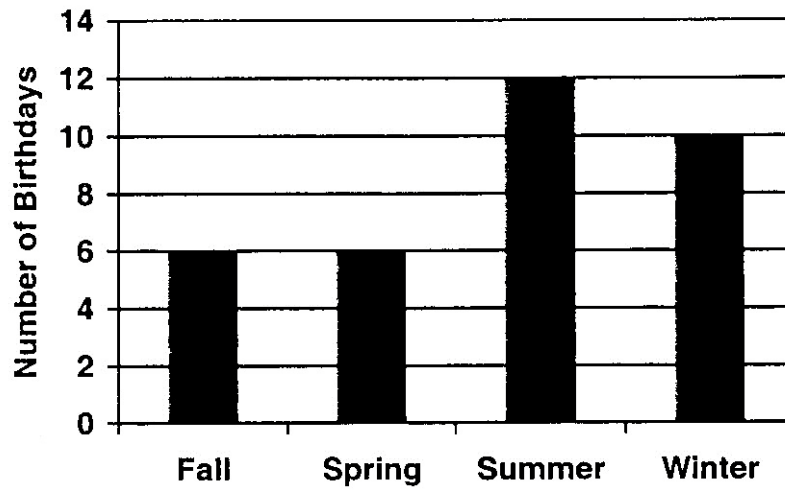
22. Look at the numbers that the computer is giving you.



Which number comes next?

- (A) 161
- (B) 160
- (C) 159
- (D) 152

23. Look at the birthday graph.



How many birthdays are there in all?

- (A) 14
- (B) 17
- (C) 18
- (D) 34

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# Provincial Mathematics Assessment at Grade 3 Basic Facts Assessment

## General Instructions

- There are 12 basic facts questions.
- You will have 1 minute to answer all of the questions.
- Write the answer to each question on the line provided.

Put your finger on the sample question.  
Read the question to yourself.  
The correct answer is 5. Write the answer on the  
line next to the question.



## Practice Question

$$3 + 2 = \underline{\hspace{2cm}}$$

**Please do not turn the page until told to do so**

## Basic Facts

### Grade 3 Sample

1.  $7 + 2 =$  \_\_\_\_\_

2.  $1 + 6 =$  \_\_\_\_\_

3.  $8 - 6 =$  \_\_\_\_\_

4.  $0 + 9 =$  \_\_\_\_\_

5.  $15 - 7 =$  \_\_\_\_\_

6.  $4 + 6 =$  \_\_\_\_\_

7.  $14 - 8 =$  \_\_\_\_\_

8.  $7 + 8 =$  \_\_\_\_\_

9.  $12 - 5 =$  \_\_\_\_\_

10.  $17 - 9 =$  \_\_\_\_\_

11.  $8 + 8 =$  \_\_\_\_\_

12.  $6 + 7 =$  \_\_\_\_\_

# Provincial Mathematics Assessment at Grade 3

## Sample Assessment Part C

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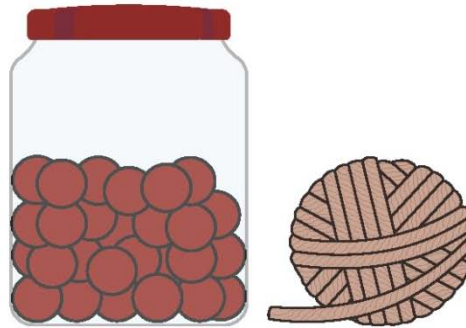
**INSTRUCTIONS FOR STUDENTS:**

**This section has questions that ask for written answers. Answer each question completely and remember to show all of your work.**

Mrs. Anderson's class has two pet goldfish, one named Fish, the other named Chip. Four students want to take the fish home for the summer holidays. School is out on June 25<sup>th</sup> and starts up again on September 9<sup>th</sup>. Show how the 4 students could equally share taking care of the goldfish (note: Fish and Chip must stay together).

**Note**

There are:  
30 days in June  
31 days in July  
31 days in August



You would like to make one necklace for each of your three friends. The necklaces do not have to be the same.

- You have 200 cm of string (you can have leftovers).
- You have 50 blue beads and 30 red beads (you must use them all).

Describe your necklaces and explain why you made them as you did.

