Practice Test

Mathematics

GRADE 6

_____

Student Name

_____

School Name

_____

District Name

MASSACHUSETTS DEPARTMENT OF
ELEMENTARY AND SECONDARY
EDUCATION

This is a practice test. Your responses to practice test questions must be recorded on your Practice Test Answer Document.

Mark only one answer for each multiple-choice question. If you are not sure of the answer, choose the answer you think is best.

Mathematics

DIRECTIONS
This practice test contains one multiple-choice question, one short-answer question, and one open-response question. Mark your answers to these questions in the spaces provided on pages 5 and 6 of your Practice Test Answer Document.

1   For 4 weeks, Ms. Gonzalez's class collected canned food for a food bank.

- The class collected 16 cans during the first week.
- During each week after the first week, the class collected 12 **more** cans than they had collected the week before.

Based on the information above, which of the following tables correctly displays the number of cans of food the class collected during each week?

A.
**Cans Collected by
Ms. Gonzalez's Class**

Week	Number of Cans Collected during the Week
1	16
2	12
3	12
4	12

C.
**Cans Collected by
Ms. Gonzalez's Class**

Week	Number of Cans Collected during the Week
1	16
2	12
3	24
4	36

B.
**Cans Collected by
Ms. Gonzalez's Class**

Week	Number of Cans Collected during the Week
1	16
2	28
3	40
4	52

D.
**Cans Collected by
Ms. Gonzalez's Class**

Week	Number of Cans Collected during the Week
1	16
2	32
3	64
4	128

Go On ➡

Mathematics

Question 2 is a short-answer question. Write your answer to this question in the box provided on page 5 of your Practice Test Answer Document. Do not write your answer on any other page. You may do your figuring on any other page.

2   Write 84 as a product of prime numbers.

Mathematics

Question 3 is an open-response question.

- **BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.**
- **Show all your work (diagrams, tables, or computations) in your Practice Test Answer Document.**
- **If you do the work in your head, explain in writing how you did the work.**

Write your answer to question 3 in the space provided on page 6 of your Practice Test Answer Document.

3 Paul bowled 6 games today. His scores are listed in the table below.

Paul's Bowling Scores

Game	Score
1	158
2	124
3	110
4	167
5	146
6	165

a. What was Paul's median score for the 6 games? Show or explain how you got your answer.

b. What was Paul's mean score for the 6 games? Show or explain how you got your answer.

c. Paul will bowl one more game. What is the minimum score Paul must achieve in the next game so that his mean score for all 7 games is at least 150? Show or explain how you got your answer.

STOP!

MASSACHUSETTS COMPREHENSIVE ASSESSMENT SYSTEM

Grade 6 Mathematics

Practice Test Answer Document

School Name:_____

District Name:_____

Last Name of Student: _____

First Name of Student:_____

Marking Instructions

- Use a No. 2 pencil only.
- Do not use ink, ballpoint, or felt tip pens.
- Make solid marks that fill the circles completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.
- Do not fold, tear, or mutilate this form.

1. Ⓐ Ⓑ Ⓒ Ⓓ

2.

DO NOT WRITE
IN SHADED AREA

3. _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

STOP!

NO TEST MATERIAL ON THIS PAGE