Student Name _____

P

Maryland Comprehensive Assessment Program

Grade 5 Mathematics Test Booklet

Practice Test

Large Print

TEST BOOKLET SECURITY BARCODE

Unit 1
(Non-Calculator)

Directions:

Today, you will take Unit 1 of the Grade 5 Mathematics Practice Test. You will not be able to use a calculator.

Read each question. Then, follow the directions to answer each question. Circle the answer or answers you have chosen in your test booklet. If you need to change an answer, be sure to erase your first answer completely.

If a question asks you to show or explain your work, you must do so to receive full credit. Only responses written within the provided space will be scored.

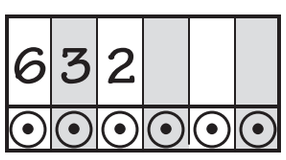
If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the stop sign.

Directions for Completing the Answer Grids

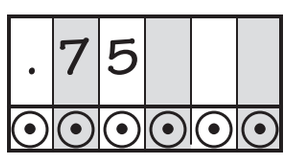
1. Work the problem and find an answer.
2. Write your answer in the boxes at the top of the grid.
3. Print only one number or symbol in each box. Do not leave a blank box in the middle of an answer.
4. Fractions cannot be entered into an answer grid and will not be scored. Enter fractions as decimals.
5. See below for examples on how to correctly complete an answer grid.

EXAMPLES

To answer 632 in a question, fill in the answer grid as shown below.



To answer .75 in a question, fill in the answer grid as shown below.



1 What is the value of the following expression?

$$985 \times 23$$

Select one answer.

A 4,925

B 10,345

C 22,655

D 23,555

2 Which **two** expressions are equivalent to $\frac{8}{12}$?

Select the **two** correct answers.

A $\frac{1}{6} + \frac{8}{2}$

B $\frac{4}{1} + \frac{4}{12}$

C $\frac{4}{10} + \frac{4}{2}$

D $\frac{1}{12} + \frac{7}{12}$

E $\frac{3}{4} + \frac{3}{4} + \frac{2}{4}$

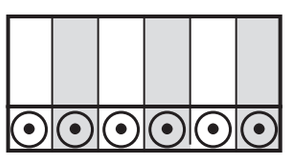
F $\frac{1}{12} + \frac{2}{12} + \frac{2}{12} + \frac{3}{12}$

3 Monica has 4 boxes to place in an empty carton.

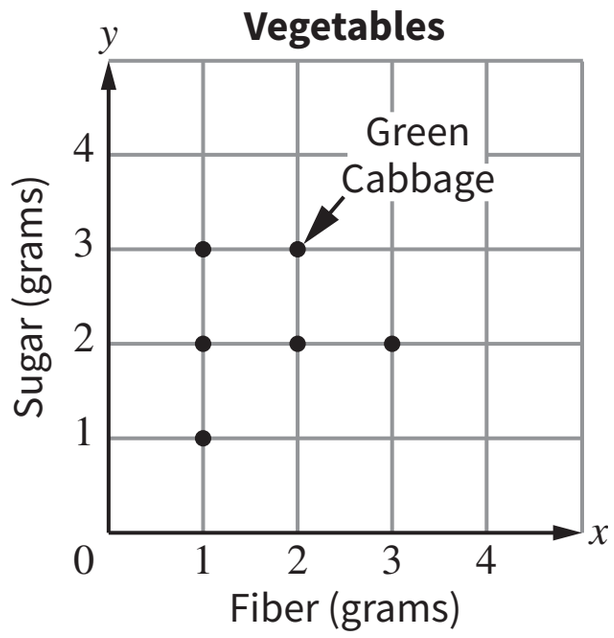
- The mass of each box is 4.5 kilograms.
- The mass of the carton is 500 **grams**.

What is the total mass, in **grams**, of the carton and the 4 boxes?

Enter your answer in the space provided.



4 The following graph shows the amount of fiber and sugar in one serving of each of six vegetables. One point represents green cabbage.



Based on the graph, which statement is true about one serving of green cabbage?

Select one answer.

A It contains 2 grams of fiber and 3 grams of sugar.

B It contains 3 grams of fiber and 2 grams of sugar.

C It contains 3 grams of fiber and 4 grams of sugar.

D It contains 4 grams of fiber and 3 grams of sugar.

5 What is the value of $\frac{3}{10} + \frac{8}{100}$?

Select one answer.

A $\frac{11}{110}$

B $\frac{11}{100}$

C $\frac{38}{110}$

D $\frac{38}{100}$

6 Which table shows expressions that represent these phrases?

- 8 more than the product of 5 and 7
- 5 times the sum of 7 and 8

Select one answer.

A

8 more than the product of 5 and 7	5 times the sum of 7 and 8
$(8 + 5) \times 7$	$5 \times 7 + 8$

B

8 more than the product of 5 and 7	5 times the sum of 7 and 8
$8 + 5 \times 7$	$5 \times 7 + 8$

C

8 more than the product of 5 and 7	5 times the sum of 7 and 8
$(8 + 5) \times 7$	$5 \times (7 + 8)$

D

8 more than the product of 5 and 7	5 times the sum of 7 and 8
$8 + 5 \times 7$	$5 \times (7 + 8)$

7 Dirk walked a total of $8\frac{3}{4}$ miles this week.

Ada walked $\frac{5}{8}$ of the distance Dirk walked this week.

Which statement describes the total distance that Ada walked this week?

Select one answer.

A Ada walked between 1 and 2 miles this week.

B Ada walked between 2 and 3 miles this week.

C Ada walked between 5 and 6 miles this week.

D Ada walked between 7 and 8 miles this week.

8 Which statement is true?

Select one answer.

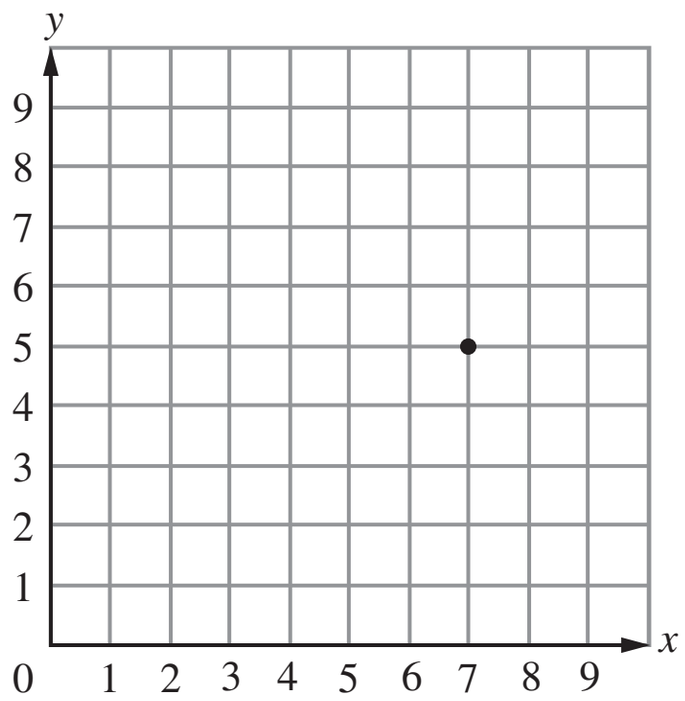
A Three and seven tenths $= 3.07$

B Two and twenty-nine hundredths < 2.30

C $(7 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(6 \times \frac{1}{1{,}000}\right) = 7.46$

D $(8 \times 10) + \left(6 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1{,}000}\right) > 80.65$

9 A point is shown on this coordinate plane.



What are the coordinates of the point?

Select one answer.

A (5, 7)

B (6, 8)

C (7, 5)

D (8, 6)

STOP

You have come to the end of Unit 1 of the test. Review your answers from Unit 1 only.

GO ON TO NEXT PAGE

Unit 2
(Calculator)

Directions:

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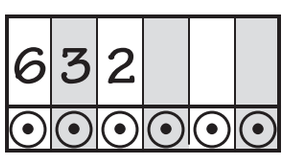

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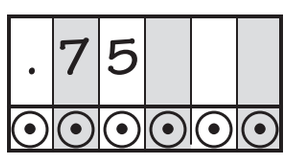
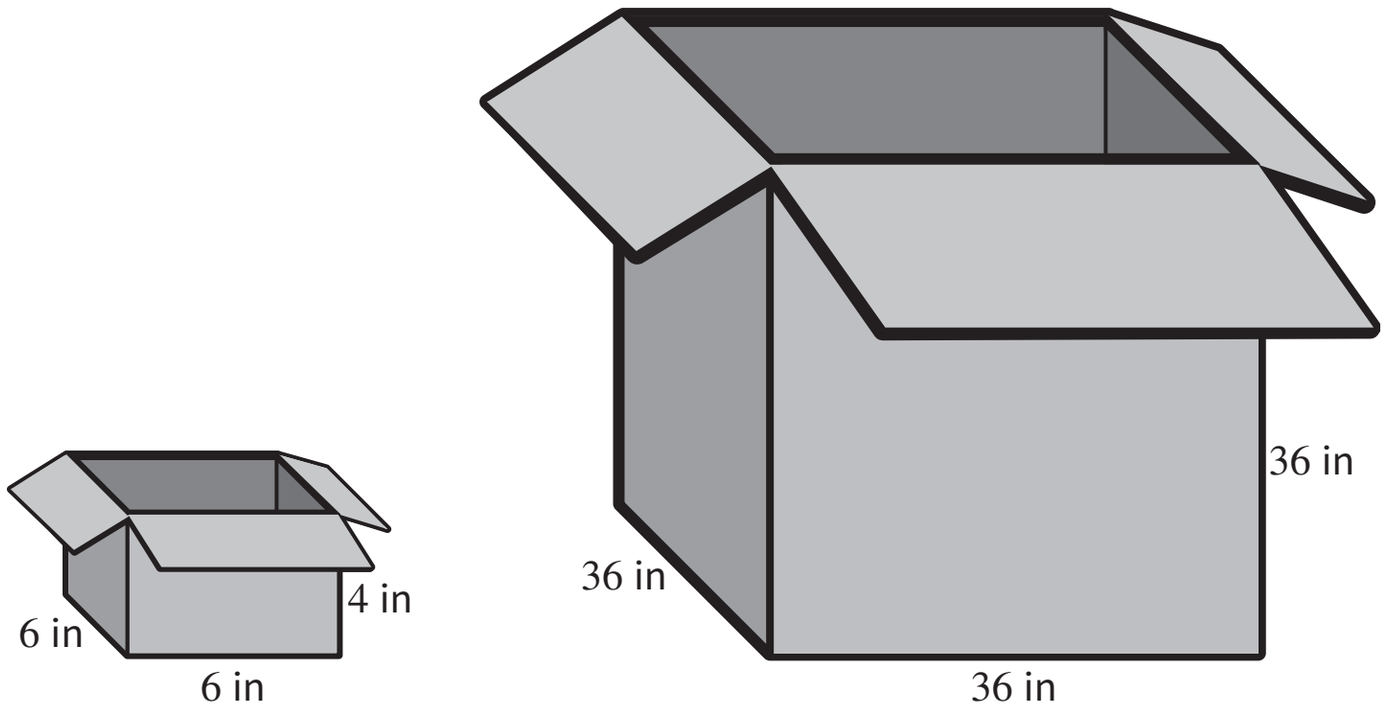


Mathematics

1 Martin needs to ship 972 small boxes in larger cartons. The following picture shows the exterior dimensions of each small box and the interior dimensions of each carton, in inches.



Small Box

Carton

Note: Figure not drawn to scale.

What is the **least** number of cartons that Martin needs to ship the 972 small boxes? Show your work or explain how you found your answer.

Enter your answer and your work or explanation in the space provided.

1

STOP

You have come to the end of Unit 2 of the test. Review your answers from Unit 2 only.

P

5-MATH

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