Not Meeting Expectation

Competency Assessment, Standards, and Supports for Competency-Based Education
Michigan Assessment Consortium

MiPAC
Michigan Performance Assessment Cadre

CBE Assessment

Performance Assessment MA.4.7
Multiplication Knowledge
Grade 4

Student Booklet

Name: HARMONJ Gaines-adams

Teacher: MRS. ROSS

School: GRAND BLANC academy

Date: 2-28-24

MICHIGAN Department of Education

Updated 12.30.23

ACKNOWLEDGEMENTS

The scoring rubrics shown in this booklet are adapted from those developed by the Center for Assessment, under creative commons license Attribution 4.0 International (CC BY 4.0)

STUDENT DIRECTIONS

MULTIPLICATION KNOWLEDGE

You will take an assessment today to show me what you have learned about multiplication. This will help me determine who has mastered the concepts and who may need some additional help to master the concepts.

There are several mathematics problems for you to solve starting on page 3 and continuing through page 6. You will have the remainder of this class period to complete the assessment by answering all 10 questions on pages 3 through 6.

Do you have any questions about what you are expected to do?

You will have 40 minutes to respond to all 10 questions. You may now begin.

When time is up, please close your Student Booklets and them to your teacher.

STUDENT MATERIALS

Solve the following problems:

232 1. 1344 X 7 9,408	332 2. 5879 X 4 23,516	11 3. 8123 X 6 48,738
4. 23 X 11 + 23 230 253	1 2 5. 86 X 24 + 344 1720 2,064	12 6. 25 X 73 + 175 1750 1,825

7. Jonas says that "if you multiply a four-digit number by a one-digit number, you get a five-digit number."

Place numbers into the table to show when Jonas' claim is true and to show when his claim is not true. *(f*

Example of when…….	**4-digit number**	**1-digit number**	**Product**
	1X=5 digits	1 digit x 1 digits	5 ANSERS 5 digits
Jonas' claim is true	true		TANSR
Jonas' claim is **NOT** true		fulse	

8. Angela claims that "when you multiply two two-digit numbers you will only get a four-digit number as an answer." Is Angela correct? Explain. Make sure to provide an example.

NO ANgela is Not correct Because when you multiply two two-digit NUMBERS you can also get a 3 Digit OR 5 digit NUMBER.

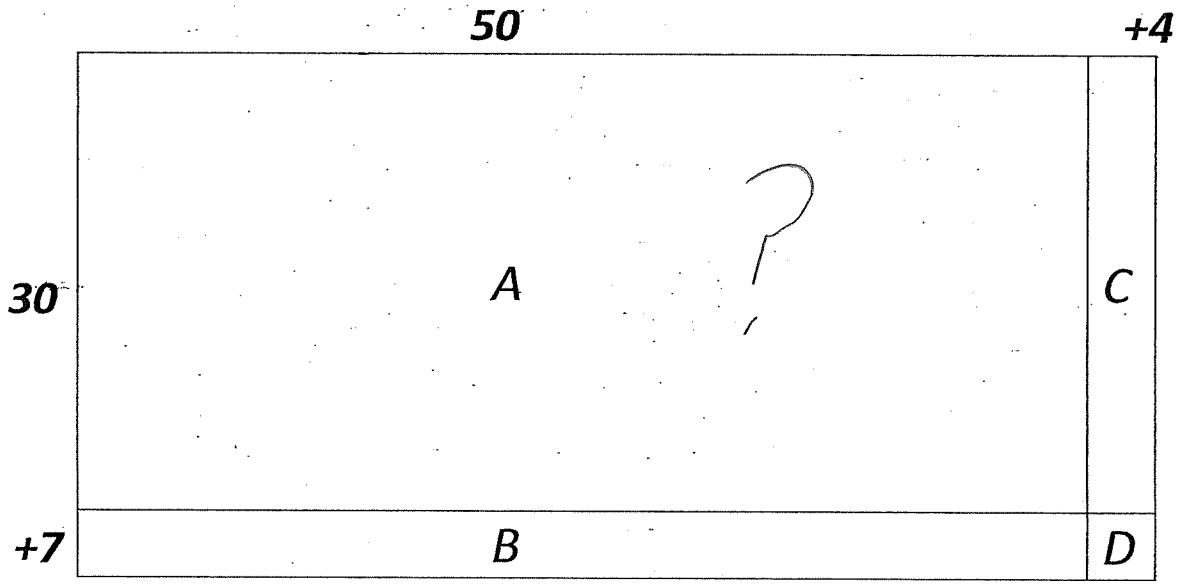
```
   1
   25
 x 22
 ----
+  50
  400
 ----
  450
```

← Not a 4 diget NUMBER

MICHIGAN Department of Education MiPAC Michigan Performance Assessment Cadre

9. Fill in the blanks: 74 X 24 = (70 + 4) X (30 + 4)

10A. In the area model shown below, D = 28. What are the values for A, B, and C? Show how you got the answers.



A= ?

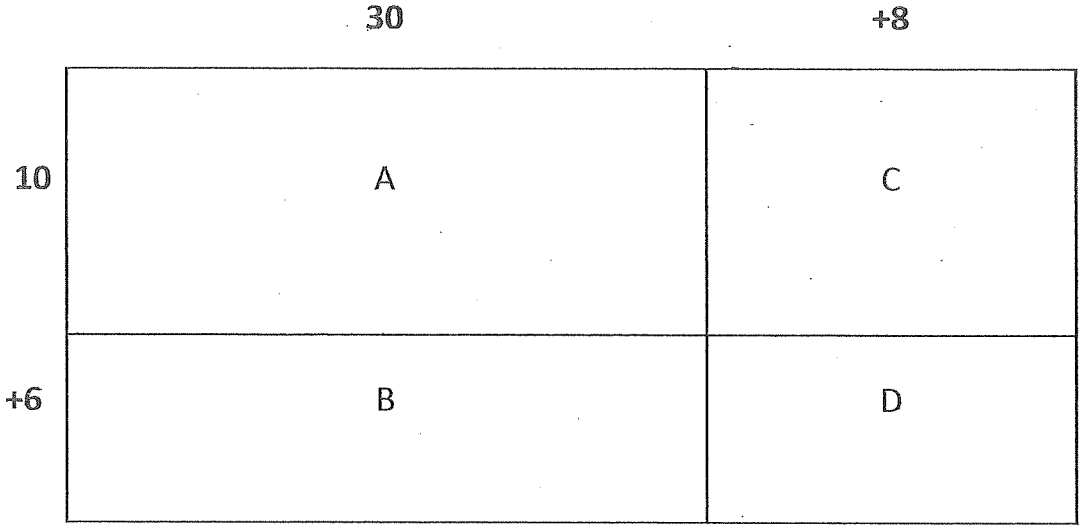
B= ?

C= ?

Total area= 1,736

74
x 24
296
+ 1480
1,736

10B. In the area model shown below, D = 48. What are the values for A, B, and C? Show how you got the answers.



A=_____

B=_____

C=_____

Total area=_____

10C. The area models shown above in 10A and 10B are two lawns that Bobby can mow during the summer. He charges $25 to mow a lawn. Which lawn is the better choice for him to mow for that cost? Explain.