Not meeting

Competency Assessment, Standards, and Supports for Competency-Based Education (Carlon)

Michigan Assessment Consortium



CBE Assessment

Performance Assessment MA.4.7 Multiplication Knowledge Grade 4

Student Booklet

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School:	Grand Blanc Academy	
Date:	1128/24	



ACKNOWLEDGEMENTS

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



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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.



Solve the following problems:

Solve the following problems.				
1. 1344	2. 58 7 9	3. 8123		
<u>X 7</u> 9,40δ	X 4 73,516	X 6 7 9 7 3 8		
	2	3		
4. 23 X 11⁄2	5. 86 X 24	6. 25 X 73		
X 11/2 2 3 0 2 5 3	X 24 3-19 1,720 2,064	X 73 175 1750 17825		



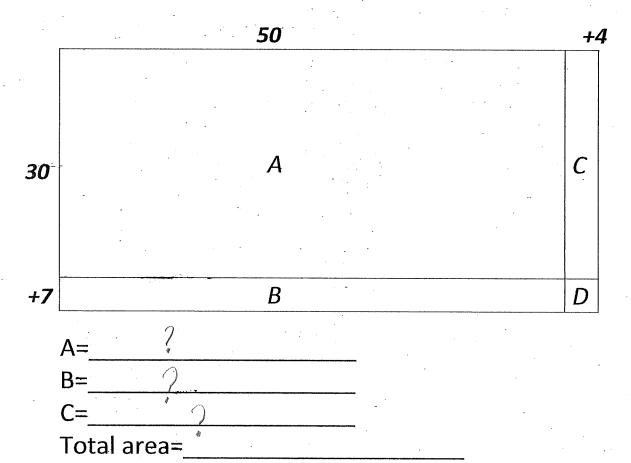
7. Jonas says that "if you multiply a four-digit number by a one-digit number, you get a five-digit number."

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

Example of	4-digit number	1-digit number	Product
when	1X=5/18148	Idigity Laight=5	Answer 25 digits
Jonas' claim is			
true			
Jonas' claim is			
NOT true	100 + 100	not three	not two

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. Wake sure to provide an example. Angela is not correct because it raw multiply two digit numbers you are not always going to get a four digit number but how are gains to get a three digit number.

- 9. Fill in the blanks: $74 \times 24 = (70 + \frac{9}{2}) \times (\frac{9}{2} + 4)$
- 10A. In the area model shown below, D = 28. What are the values for A, B, and C? Show how you got the answers.



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

	30	+8
10	А	С
+6	В	D

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.

