

Oral Exam

Last Updated: 7/4/24

Name: _____ Date: _____

Attempt: _____ of 2 Score: _____% Time Expired? Y

Instructions:

- (1) I ask a question, (2) you say the answer, (3) I write your answer.
- You have 60 seconds to answer 10 questions.
- A minimum 8 out of 10 (80% score) is required to pass.

Key:

- C = Correct
I = Incorrect
N = No Answer

Pick <input checked="" type="checkbox"/>	Multiplication Facts	C	I	N
<input type="checkbox"/>	2 × 6 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	2 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	2 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	2 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	2 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 × 6 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	4 × 6 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	4 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	4 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	4 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	4 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 × 6 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 × 6 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 × 7 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	8 × 8 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	8 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	8 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	9 × 9 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	9 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10 × 11 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	11 × 11 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	11 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	12 × 12 = _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pick <input checked="" type="checkbox"/>	Divisibility Rules	C	I	N
<input type="checkbox"/>	2: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	9: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	46 divisible by _____ ? Why?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	51 divisible by _____ ? Why?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	475 divisible by _____ ? Why?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	_____ divisible by _____ ? Why?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pick <input checked="" type="checkbox"/>	Prime Numbers	C	I	N
<input type="checkbox"/>	2 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	5 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	7 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	11 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	13 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	17 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	19 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	23 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	29 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	31 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	37 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	41 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	43 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	47 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A prime 0-9?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A prime 10-19?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A prime 20-29?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A prime 30-39?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A prime 40-49?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	9 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	15 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	27 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	33 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	49 prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	_____ prime? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Details

- The **Oral Exam** exhibits mastery of (1) multiplication facts, (2) divisibility rules, and (3) prime numbers.
- You get *two* attempts to pass the Oral Exam, which is required to pass MAT 025.
- If you get less than an 80% score, only *one* retake of the Oral Exam is permitted, but not on the same day.
- Since you get 60 seconds to answer 10 questions, you have on average 6 seconds to answer each question.
- Before your exam, I will randomly pick 10 questions from the Oral Exam test sheet that involves any combination of (1) multiplication facts, (2) divisibility rules, and (3) prime numbers.
- You may be asked any of the following mix of questions:
 - 10 multiplication facts.
 - 5 multiplication facts and 5 divisibility rules.
 - 5 multiplication facts and 5 prime numbers.
 - 5 divisibility rules and 5 prime numbers.
 - 10 prime numbers.
 - 6 multiplication facts, 2 divisibility rules, and 2 prime numbers.
 - Any other combination of multiplication facts, divisibility rules, and prime numbers.
- Use this test sheet to continually practice with someone until you consistently score 80% or higher.

Preparing for the Oral Exam

- Prepare for any multiplication fact from 2 to 12.
 - **Sample Question 1:** What is the *product* of the two given *factors*?
 - Version A: “What is 6 times 9?”
 - Version B: “6 times 9 is *what*?”
 - Version C: “What is 9 times 6?” [Order of factors switched]
 - Version D: “9 times 6 is *what*?” [Order of factors switched]
 - **Sample Question 2:** What are two *factors* of the given *product* from the multiplication table?
 - Version A: “54 is *what* number times *what* number?”
 - Version B: “*What* number times *what* number is 54?”
 - **Sample Question 3:** What is the *other factor* when given *one factor* and the *product*?
 - Version A: “*What* times 6 is 42?”
 - Version B: “6 times *what* is 42?” [Order of factors switched]
 - Version C: “42 is 6 times *what*?”
 - Version D: “42 is *what* times 6?” [Order of factors switched]
- Prepare for any divisibility rule from 2, 3, 5, 9, and 10.
 - **Sample Question 1:**
 - Version A: “What is the divisibility rule for the number 9?”
 - Version B: “The number 9 has what divisibility rule?”
 - **Sample Question 2:**
 - Version A: “The number 475 is divisible by what number based on its divisibility rule? What is the rule?”
 - Version B: “What number divides into 475 based on its divisibility rule? What is the rule?”
- Prepare for any of the 15 prime numbers from 2 to 47.
 - **Sample Question 1:** “Is 19 a prime number?”
 - **Sample Question 2:** “Is 27 a prime number?”
 - **Sample Question 3:** “Name a prime number between 40 and 49.”