

Getting Ready to Start

Placement of Students

All students should be placement tested before they receive instruction in this multiplication module. Students can be placement tested in whole class, small group, or one on one settings. Be sure to tell students what your expectations are for behavior during the test. It is important for students who are fast finishers to have something to work on when they complete the test, so they do not interfere with other students who may still be working on the test.

The placement test has been designed to place students at a level in the program where they will experience success. This enables students to experience success immediately and to increase their level of fluency. The review at the beginning of the program is beneficial for all students.

*Note: If you are administering this test to an individual student, you may stop testing at the end of any part where the student makes an error.

This test should be marked by the classroom teacher, not by students. Placement testing data should be used for teacher information and should never be used as part of a report card mark. The reproducible blackline masters for the placement test can be found on pages iv and v of the Teacher Presentation Book. The answer key for the placement test can be found on pages vi and vii.

Procedure for Administering the Multiplication Placement Test:

1. Explain to the students that they will be completing a test that will help you as the classroom teacher know what they need to learn about multiplication.
2. Give each student a copy of the placement test. Have the students complete the information at the top of the page. They should not start the test until you start the timer.

3. (Give students the following instructions.) **This is a multiplication placement test. Some parts of this test may be easy for you and some parts may be hard. Try to do as many of the problems as you can. You have 15 minutes to complete this test. You may start the test.** (Circulate around the classroom giving encouragement and monitoring student work during the test. It is important not to give students assistance during the test. They should complete the test independently. Collect test papers from students as they finish and direct them to remain quiet and to work on an additional task until the time limit is up or until all students have completed the test. After the time is up, collect all test papers even if they are incomplete.)

Scoring the Multiplication Placement Test:

Student work should be evaluated for two elements: fact errors and operation errors.

Students who do not know their basic addition and multiplication facts will find it difficult to reach mastery in this module. Students who make 1 or more fact errors on any part of the test should be placement tested for the *Tools for Success* Math Facts Addition and Multiplication Program.

If a student makes 1 or more operation errors on any part of the test, he or she should be placed at Lesson M-1.

TOOLS FOR SUCCESS[©]

A Math Operations Program

Multiplication

Placement Test Page 1

Name _____

Date tested _____

Teacher _____

Class _____

Placement: Proficient Lesson M-1 Math Facts Program

Comments: _____

Part 1:

Fact Errors: _____

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

Part 2:

Fact Errors: _____ Operation Errors: _____

$$\begin{array}{r} 44 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 8 \\ \hline \end{array}$$

Part 3:

Fact Errors: _____ Operation Errors: _____

$$\begin{array}{r} 54 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ \times 3 \\ \hline \end{array}$$

Placement Test Page 2

Part 4:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 423 \\ \times \quad 7 \\ \hline \end{array}$	$\begin{array}{r} 790 \\ \times \quad 4 \\ \hline \end{array}$	$\begin{array}{r} 841 \\ \times \quad 5 \\ \hline \end{array}$	$\begin{array}{r} 683 \\ \times \quad 6 \\ \hline \end{array}$	$\begin{array}{r} 597 \\ \times \quad 3 \\ \hline \end{array}$
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Part 5:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 56 \\ \times 49 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ \times 29 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ \times 47 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ \times 61 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ \times 87 \\ \hline \end{array}$
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Part 6:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 277 \\ \times 53 \\ \hline \end{array}$	$\begin{array}{r} 513 \\ \times 74 \\ \hline \end{array}$	$\begin{array}{r} 624 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 504 \\ \times 38 \\ \hline \end{array}$	$\begin{array}{r} 890 \\ \times 26 \\ \hline \end{array}$
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TOOLS FOR SUCCESS[©]

A Math Operations Program

Multiplication

Placement Test Answer Key

Name _____

Date tested _____

Teacher _____

Class _____

Placement:

Proficient

Lesson M-1

Math Facts Program

Comments: _____

Part 1:

Fact Errors: _____

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

Part 2:

Fact Errors: _____

Operation Errors: _____

$$\begin{array}{r} 44 \\ \times 2 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 51 \\ \times 7 \\ \hline 357 \end{array}$$

$$\begin{array}{r} 72 \\ \times 4 \\ \hline 288 \end{array}$$

$$\begin{array}{r} 90 \\ \times 8 \\ \hline 720 \end{array}$$

Part 3:

Fact Errors: _____

Operation Errors: _____

$$\begin{array}{r} 54 \\ \times 9 \\ \hline 486 \end{array}$$

$$\begin{array}{r} 88 \\ \times 7 \\ \hline 616 \end{array}$$

$$\begin{array}{r} 95 \\ \times 8 \\ \hline 760 \end{array}$$

$$\begin{array}{r} 62 \\ \times 5 \\ \hline 310 \end{array}$$

$$\begin{array}{r} 77 \\ \times 3 \\ \hline 231 \end{array}$$

Placement Test Answer Key Page 2

Part 4:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 423 \\ \times \quad 7 \\ \hline 2961 \end{array}$	$\begin{array}{r} 790 \\ \times \quad 4 \\ \hline 3160 \end{array}$	$\begin{array}{r} 841 \\ \times \quad 5 \\ \hline 4205 \end{array}$	$\begin{array}{r} 683 \\ \times \quad 6 \\ \hline 4098 \end{array}$	$\begin{array}{r} 597 \\ \times \quad 3 \\ \hline 1791 \end{array}$
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Part 5:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 56 \\ \times 49 \\ \hline 504 \\ 2240 \\ \hline 2744 \end{array}$	$\begin{array}{r} 20 \\ \times 29 \\ \hline 180 \\ 400 \\ \hline 580 \end{array}$	$\begin{array}{r} 93 \\ \times 47 \\ \hline 651 \\ 3720 \\ \hline 4371 \end{array}$	$\begin{array}{r} 25 \\ \times 61 \\ \hline 25 \\ 1500 \\ \hline 1525 \end{array}$	$\begin{array}{r} 68 \\ \times 87 \\ \hline 476 \\ 5440 \\ \hline 5916 \end{array}$
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Part 6:

Fact Errors: _____ Operation Errors: _____

$\begin{array}{r} 277 \\ \times 53 \\ \hline 831 \\ 13850 \\ \hline 14681 \end{array}$	$\begin{array}{r} 513 \\ \times 74 \\ \hline 2052 \\ 35910 \\ \hline 37962 \end{array}$	$\begin{array}{r} 624 \\ \times 19 \\ \hline 5616 \\ 6240 \\ \hline 11856 \end{array}$	$\begin{array}{r} 504 \\ \times 38 \\ \hline 4032 \\ 15120 \\ \hline 19152 \end{array}$	$\begin{array}{r} 890 \\ \times 26 \\ \hline 5340 \\ 17800 \\ \hline 23140 \end{array}$
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