The **Multi-Digit Multiplication Quick Check** is a diagnostic tool to help you identify what your student already knows about multiplication computation, as well as the areas in which they may need more reinforcement. By identifying your student's instructional needs you can more effectively plan appropriate review activities.

How to Administer the Multi-Digit Multiplication Quick Check

1. **Keep the environment comfortable and distraction-free.** This will yield the most accurate results.

2. **Have your student work independently**. Encourage them to try their best.

3. **Have your student complete a problem set per day, over a period of 4 days.** This will prevent fatigue and provide you with more accurate results to pinpoint your student's strengths and areas for improvement.

4. **Tell your student to circle any problems they did not know how to solve _or_ steps they felt unsure about how to complete.** This information is extremely useful when planning effective reteaching and choosing review problems.

5. **Use the Observation Chart below** to observe and record your student's performance during the Multi-Digit Multiplication Quick Check each day. Do this discreetly and casually.

Observation Chart (Check all that apply for each day.)	Day 1	Day 2	Day 3	Day 4
Forgets the steps (or the order of the steps) when computing multiplication.				
Pauses or counts to multiply in their computation.				
Pauses or counts to add in their computation.				
The final answer is incorrect.				
Shows signs of frustration or stops working.				
Circles many problems or steps in a problem they could not solve.				
Self-rating is two stars or lower for the day.				

If you recorded **checkmarks (✓)**, your student might benefit from additional support with multi-digit multiplication. If you would like further assistance to develop a solution for your student, please contact customer service at 888-854-6284, option 2.

Answer Key

Day 1
1. 595
2. 4,370

Day 2
1. 1,404
2. 37,084

Day 3
1. 205,438
2. 2,538,279

Day 4
1. 4,247 packages
2. 213 rounds to 200, then multiply 200 x 4 for an estimate of 800 miles

Day 1

Directions
1. Complete each problem to the best of your ability. 2. Show all of your work. 3. Circle any problems you are unsure how to solve (or finish solving).

1)
$$\begin{array}{r} 85 \\ \times\ 7 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 95 \\ \times\ 46 \\ \hline \end{array}$$

Fill in the number of stars to show how confident you felt when completing these problems.
1 star = Frustrated   2 stars = Not Sure   3 stars = Okay   4 stars = Confident

☆ ☆ ☆ ☆

Day 2

Directions
1. Complete each problem to the best of your ability.
2. Show all of your work.
3. Circle any problems you are unsure how to solve (or finish solving).

1)
$$
\begin{array}{r}
234 \\
\times\ \ \ 6 \\
\hline
\end{array}
$$

2)
$$
\begin{array}{r}
508 \\
\times\ \ 73 \\
\hline
\end{array}
$$

Fill in the number of stars to show how confident you felt when completing these problems.

1 star = Frustrated   2 stars = Not Sure   3 stars = Okay   4 stars = Confident

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Day 3

Directions
1. Complete each problem to the best of your ability.
2. Show all of your work.
3. Circle any problems you are unsure how to solve (or finish solving).

1)
$$
\begin{array}{r}
3{,}482 \\
\times \quad 59 \\
\hline
\end{array}
$$

2)
$$
\begin{array}{r}
6{,}087 \\
\times \quad 417 \\
\hline
\end{array}
$$

Fill in the number of stars to show how confident you felt when completing these problems.

1 star = Frustrated   2 stars = Not Sure   3 stars = Okay   4 stars = Confident

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Day 4

Directions
1. Complete each problem to the best of your ability.
2. Show all of your work.
3. Circle any problems you are unsure how to solve (or finish solving).

1) Kendra delivered 137 packages every day for 31 days.
How many packages did Kendra deliver altogether?

2) Titus drives two hundred thirteen miles a week for work. Round this distance to the nearest hundred. Then estimate the total distance he travels in four weeks.

Fill in the number of stars to show how confident you felt when completing these problems.
1 star = Frustrated   2 stars = Not Sure   3 stars = Okay   4 stars = Confident

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