Multiplication and Division Lesson 3
Multiplication Cross and Beyond
Activity Answer Key

Write the following equations that include grouping symbols and/or exponents. All of the equations use a multiplication cross for the times sign. Remember to use a general omission symbol for "what number" and a long dash for "blank". Also, don't forget to number each problem. [There is a braille answer document "L3-Mul-Div-Activity-Answers.brf" that can be used to independently check answers.]

1. Five times seven times open parenthesis three plus four close parenthesis equals blank.

   $5 \times 7 \times (3 + 4) =$ _____

   Answer: ⠼⠑ ⠼⠛ ⠼⠁⠄⠼⠉ ⠼⠙⠐⠼⠋ ⠼⠐⠼⠲ ⠼⠃⠃⠃⠃

2. Fourteen minus open parenthesis seven times two close parenthesis equals zero.

   $14 - (7 \times 2) = 0$

   Answer: ⠼⠁⠙ ⠼⠛ ⠼⠁⠲⠼⠃⠃ ⠼⠐⠼⠲ ⠼⠚⠚

3. Open parenthesis what number times eight close parenthesis plus seven equals forty-seven.

   $(? \times 8) + 7 = 47$

   Answer: ⠼⠦ ⠼⠛ ⠼⠶⠼⠦⠼⠓ ⠼⠐⠼⠛ ⠼⠙⠛

4. Four times ten squared equals blank.

   $4 \times 10^2 =$ ____

   Answer: ⠼⠙ ⠼⠛ ⠼⠁⠚⠘⠼⠃ ⠼⠐⠼⠲ ⠼⠃⠃⠃⠃

5. Two cubed divided by four plus three times five equals what number?

   $2^3 \div 4 + 3 \times 5 = ?$

   Answer: ⠼⠃⠘⠌⠼⠙ ⠼⠉⠘⠌⠼⠑⠐⠔⠼⠁⠄⠼⠁⠚ ⠼⠁⠚ ⠼⠁

6. Eight squared times three equals blank.

   $8^2 \times 3 =$ ____

   Answer: ⠼⠃⠘⠌⠼⠓ ⠼⠉⠘⠌⠼⠓⠐⠔⠼⠁⠄⠼⠁⠚⠄⠼⠁⠚ ⠼⠉ ⠼⠁⠚⠄⠼⠁⠚⠄⠼⠁⠚⠄⠼⠁⠚

7. Two times open parenthesis six squared minus one close parenthesis equals seventy.

   $2 \times (6^2 - 1) = 70$

   Answer: ⠼⠃⠘⠌⠼⠓ ⠼⠉⠘⠌⠼⠋⠐⠔⠼⠋⠄⠼⠋⠚⠄⠼⠋ ⠼⠉ ⠼⠛⠚

8. Ninety-nine minus open bracket open parenthesis five minus one close parenthesis times open parenthesis two plus four close parenthesis close bracket plus three equals what number?

   $99 - [(5 - 1) \times (2 + 4)] + 3 = ?$

   Answer: ⠼⠃⠘⠌⠼⠓ ⠼⠉⠘⠌⠼⠊⠘⠌⠼⠊ ⠼⠉⠘⠌⠼⠑⠐⠔⠼⠁⠄⠼⠁⠚⠄⠼⠁⠚ ⠼⠉⠘⠌⠼⠁⠐⠔⠼⠃⠄⠼⠃⠚⠄⠼⠃⠚⠄⠼⠃⠚⠄⠼⠃⠚ ⠼⠉ ⠼⠁