

## Writing Linear Equations with a Multiplication Cross, Grouping Symbols, and/or Exponents Activity

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.

1.  $5 \times 7 \times (3 + 4) = \underline{\hspace{2cm}}$

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

Answer: 

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

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

Answer: 

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

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

Answer: 

4.  $4 \times 10^2 = \underline{\hspace{2cm}}$  Four times ten squared equals blank.

Answer:    

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

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

Answer: 

6.  $8^2 \times 3 = \underline{\hspace{2cm}}$  Eight squared times three equals blank.

Answer: 

7.  $2 \times (6^2 - 1) = 70$

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

Answer: 

8.  $99 - [(5 - 1) \times (2 + 4)] + 3 = ?$

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?

Answer: 