

# Create a Truths and Lies Math Game

**Directions:**

- Create values for the variables.
- Write seven equations with numbers and variables on both sides of the equal sign ( $a \times y = 20 + z$ ). Five equations should be true and two should be a lie, or false.
- Swap worksheets with a partner and solve each other's equations. Decide which two equations are lies.
- Regroup with your partner to confirm or correct responses to the created equations. Discuss the answers by drawing on information from the equations.

$$a = \underline{\quad} \quad x = \underline{\quad} \quad y = \underline{\quad}$$

1.

=

3.

=

5.

=

7.

=

2.

=

4.

=

6.

=

**Consider the Conversation**

Did the discussion change your answers?

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