## Two Truths and One Lie: Winter Edition

Directions: Answer Key

Solve the three equations. Determine which two are true and which one is a lie. Explain your answer to a partner or group by drawing on information from the equations.



= 4



= 5



A.



X





X



**B**.



X



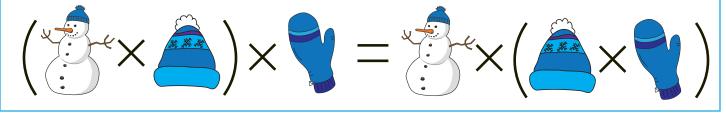
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X



C.



1. Which equations are true? <u>A&C</u> How do you know? <u>A is true because the</u>

answer is 8 on both sides of the equation  $(4 \times 2 = 2 \times 4)$ . I know that C is true because  $2 \times 5 = 10$  and

10 x 4 = 40. That has the same answer as the other side of the equation:  $5 \times 4 = 20$  and  $20 \times 2 = 40$ .

2. Which equation is a lie? \_\_\_\_ How do you know? I know that B is a lie

because  $4 \times 2 = 8$ , but  $5 \times 2 = 10$ . The two equations do not have the same answer.