

6.EE Exponent Experimentation 1

Task

Decide whether each equation is true or false, and explain how you know.

a. $2^4 = 2 \cdot 4$

b. $3 + 3 + 3 + 3 + 3 = 3^5$

c. $5^3 = 5 \cdot 5 \cdot 5$

d. $2^3 = 3^2$

e. $16^1 = 8^2$

f. $(1 + 3)^2 = 1^2 + 3^2$

g. $2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3 = 6^3$



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