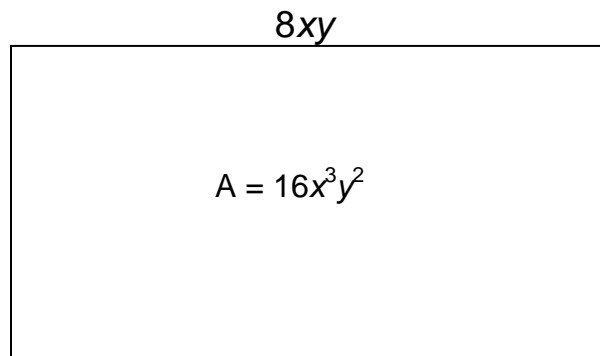


PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** February 19 to February 22**Day:** Friday

RISD Objective: Given a problem which involves exponential operations, students will be able to apply exponent rules to simplify the expression.

PROBLEM #108

If the area of a rectangle is $16x^3y^2$ and its length is $8xy$, write an algebraic expression that represents the rectangle's width.



MODEL SOLUTION #108

$$A = lw$$

$$16x^3y^2 = (8xy)(w)$$

$$\frac{16x^3y^2}{8xy} = w$$

$$2x^2y = w$$

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