

1.5 Literal Equations and Formulas

SWBAT rewrite and use literal equation and formulas.

Example 1: Solving for a variable (your answer will have a variable in it!)

1. Solve $\frac{8c-t}{7} = 9$ for **c**.

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2. Solve $3x - 4y = 7$ for **y**.

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3. Solve $A = \frac{1}{2}bh$ for **b**.

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4. Solve $E=mc^2$ for **m**.

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Example 2: Using Formulas

The formula $C = 2\pi r$ represents the circumference of a circle where r is the radius.

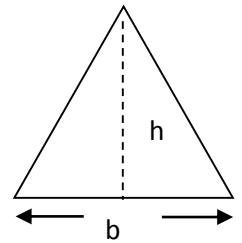
a) Solve the formula for r .



b) If an airplane could fly around the earth at the equator without stopping, it would have traveled about 24,900 miles. Find the radius of the earth.

Find the area of the triangle below. $A = \frac{1}{2}bh$

a) Solve the formula for h .



b) What is the height of a triangle with an area of 28 square feet and a base of 8 feet?

Literal Equations Scavenger Hunt Show your work in the spaces below!	1.
2.	3.
4.	5.
6.	7.
8.	9.
10.	11.

