# Apr. 16, 2018

# Mini-Lesson # 1 (TASK 1, 2 & 3)

# Estimating Fractional Equations

Feb 8-5:24 PM

## **Solving Equations with Rational Coefficients**

Grade Eight	Grade Nine
PR2 Model and solve problems using linear equations of the form:  • $ax = b$ ;  • $\frac{x}{a} = b$ , $a \ne 0$ ;  • $ax + b = c$ ;  • $\frac{x}{a} + b = c$ $a \ne 0$ ;  • $a(x + b) = c$ concretely, pictorially and symbolically, where $a$ , $b$ and $c$ are integers.	PR3 Model and solve problems using linear equations of the form: $ax = b$ ; $\frac{x}{a} = b, a \neq 0$ ; $ax + b = c$ ; $\frac{x}{a} + b = c, a \neq 0$ ; $ax = b + cx$ ; $a(x + b) = c$ ; $ax + b = cx + d$ ; $a(bx + c) = d(ex + f)$ ; $\frac{a}{x} = b, \qquad x \neq 0$ where $a, b, c, d, e$ and $f$ are rational numbers.

### Grade Ten

### A1 Geometry, Measurement and

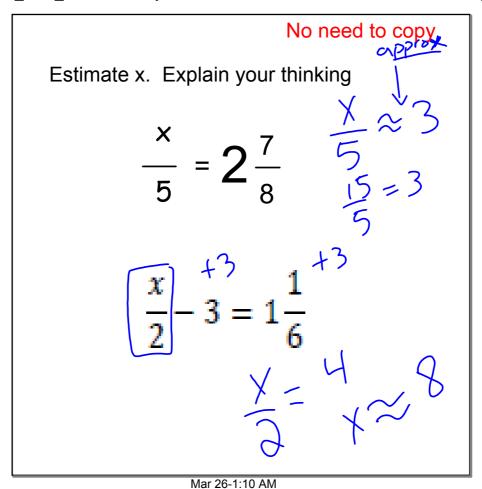
Finance 10

Solve problems that require the manipulation and application of formulas related to perimeter, area, the Pythagorean theorem, primary trigonometric ratios, income

### RF10 Number, Relations and Functions 10

Solve problems that involve systems of linear equations in two variables, graphically and algebraically.

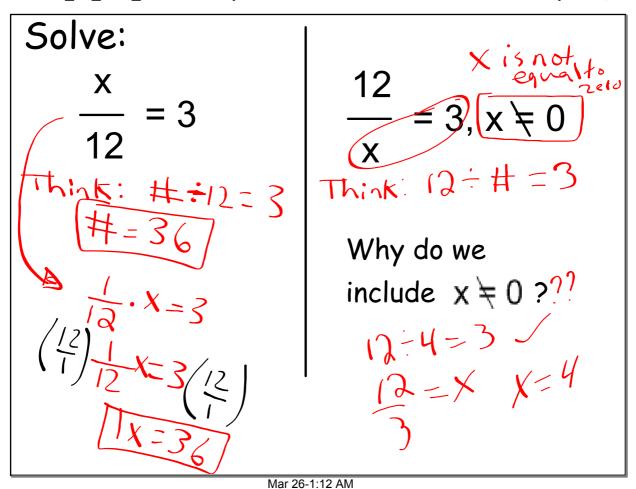
Mar 26-1:43 AM



Reciprocal: A number related to another in such a way that when multiplied together their product is one.

$$\frac{1}{6} \bullet \frac{1}{6} = 1$$

$$\frac{1}{3} \bullet \frac{3}{3} = 1$$



# Your turn. Solve.

$$\frac{s}{7} = 11$$

Think: a # divided by 7 equals 11? Think: 122 divided by a # equals 3?

$$\frac{122}{r} = 3, r \neq 0$$

# End of mini-lesson #1

Apr 13-11:39 AM