Station 3

Grouping like terms

<https://www.youtube.com/watch?v=f15zA0PhSek>

As an extension, this is how to deal with algebraic equations with fractions coefficients in 2 places. Watch the following:

<https://www.youtube.com/watch?v=PL9UYj2awDc&feature=youtu.be>

1. Watch the videos in order

Write down 2 examples of equations with fraction coefficients: 1 example where the numerator is 1 and one where the numerator and denominator are both greater than 1.

1. Solve the following AFTER you group like terms using addition and subtraction:

a. 3k - 4 = 28 + 8k b. 7h + 6 = 14 + 8h

c. 4j – 7 = 5j – 3 d. -4f + 3f – 2 = 7f – 1

e. –w + 4 = -5w – 4 f. 8q – 3 + 6 = -3q + 3

g. 9(7h - 4) = 28 + 8h h. 5(r – 3) = -3(r + 2)

1. Write a word problem that would involve a coefficient on either side of the equation (remember to make sure it can be the same coefficient). Share it with a member of your group and see if they can solve it.