

September 5, 2017

## Warm Up

1. Grab a warm-up sheet from the table
2. Write the date on the 1<sup>st</sup> box
3. Write each problem and the solution in the provided area

1. Factor the expression  $x^2 + 2x - 24$

2. Simplify:  $(4x - 5)(2x + 3)$

Learning target: I can find term values in an arithmetic sequence

How can we solve the following?

Find the 208<sup>th</sup> term of the arithmetic sequence:

3, 4.5, 6, 7.5, ...

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The term we want

The number of the term

$$U_n = U_1 + (n-1) \cdot d$$

The 1<sup>st</sup> term

The common difference

Learning target: I can find term values in an arithmetic sequence

Write the recursive formula and the equation of

$$u_3 = 13 \text{ and } u_7 = 25$$

Learning target: I can find term values in an arithmetic sequence

Now you try

## Assignment #2

Answer each question

AND

Find the equation for the sequence