

## Tour of Knowledge Writing Problem Situations from Equations

Working with your partner, you will need to come up with a real life scenario that could be represented with the equation. Please make sure that your scenarios actually work. You will need to not only create a scenario, but solve the equation also.

Example:  $-3 = +7$

Example answer:

There 3 less than the number of students on the 7<sup>th</sup> grade football team this year as last year. This is equivalent to 7 more than the number of students on the 8<sup>th</sup> grade team. How many students were on the 7<sup>th</sup> grade team last year?

1.)  $6h - .25(6h) = 450$

Scenario:

2.)  $6h - .25(6h) = 450$

Solve:

3.)  $500 - 25w \geq 200$

Scenario:

4.)  $500 - 25w = 200$

Solve:

Four of Knowledge Writing Problem Situations from Eureka Math  
Working with your partner, you will need to come up with a real-life scenario that could be represented with the equation. Please make sure that your scenario actually works. You will need to not only create a scenario, but solve the equation also.

Example:  $-3 = 4 + 7$

Example answer:

5.)  $10 \geq .65m + 1.75$

Scenario:

There 3 less than the number of students on the 7<sup>th</sup> grade football team as last year. This is equivalent to 7 more than the number of students on the 8<sup>th</sup> grade team. How many students were on the 7<sup>th</sup> grade team last year?

1.)  $64 - 22(64) = 420$

Scenario:

6.)  $10 = .65m + 1.75$

Solve:

2.)  $64 - 22(64) = 420$

Solve:

7.)  $18 - 0.75x = 12 - 0.50x$

Scenario:

3.)  $500 - 25w \leq 200$

Scenario:

8.)  $18 - 0.75x = 12 - 0.50x$

Solve:

4.)  $500 - 25w = 200$