Two Step Equations in Words Lesson Practice Sheet

Define the variable, write the equation and solve it.

Two less than a number divided by 5 is eight.

In above problem:

I - Define a variable.

Let **n** represent the number.

II - Simplify the sentence.

Two less ⟶ - 2

a number divided by 5 ⟶ $\dfrac{n}{5}$

Is eight ⟶ = 8

III - Write the equation.

$\dfrac{n}{5} - 2 = 8$

IV – Solve the equation.

$\dfrac{n}{5} - 2 + 2 = 8 + 2$ (add 2 to each side)

$\dfrac{n}{5} = 10$

$\dfrac{n}{5} \times 5 = 10 \times 5$ (multiply each side by 5)

n = 50

Answer: 50

Practice Problems

1   Seven more than four times a number is twenty-seven.

2   Four more than a number divided by 3 is twelve.

Name _____   Date _____

Answer Key

1	5	2	24