

Using Guess and Check for Problem Solving

Warmup

1. What are the 4-steps to problem solving?

2. Sam can fold 15 more letters than John each hour. How many letters did John fold in 1 hour if Sam folded 155 letters?

3. $x^3 = 64$

What is x?

4. $x^2 = 100$

What is x?

5. $x + 0.2 = 6.35$ *Check*

I. Guess and Check

For Problem Solving Lessons, you will be given the question to try, then a video solution. I want you to try each question before watching the videos. This will increase your problem solving abilities.

Homeschool



Honor Roll

Learn ~ Persevere ~ Succeed

Pre-Algebra and Geometry I

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I. Guess and Check

Solve for x:

$$\frac{\frac{\frac{4}{2x}}{4}}{x^2(x+4)} = 0$$

6. Consecutive numbers are integers that are right after each other.

Find three consecutive integers such that the sum of the first two integers is 3 greater than the third. Use the guess and check problem solving method.

Guess and Check Problem Solving:

To use the guess and check method
adjust your guesses based on the
results. Always check your answer!

7. If I am four years younger than my sister and she is two years older than 50, how old am I?

8. On our farm we have 55 animals. There are twice as many cattle as goats, and five times as many chickens as cattle. We also have a dog, a cat, and a pig. How many of each animal do we have?

9. Twice a number, increased by five is thirteen. What is the number?

(Hint: solve for x : $2x + 5 = 13$)

10. Use the numbers 1,2,3,4,5,6,7,8, and 9 each once to make the sum of each row, each column, and each diagonal equal to 15.

Magic Square		
2		6
	5	
4		8

