***Virginia Frog Jumping Contest***

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**Frog Jump Problem**: Frog jumps 8 times. Every time he jumps he travels the same number of frog steps. After 8 jumps he has traveled 96 steps. How many steps are in each of his jumps?

**Toad Jump Problem**: It takes Toad the same amount of time to get to 96, but he does it differently. Each of his jumps is equal to 8 frog steps. How many jumps does toad make to get to 96 steps?

Represent both problems on one diagram showing jumping amounts and explain how they are different and how they are the same.

Mark the meeting points. Where do frog and toad both land? Clearly 96 is one answer. Are there other places where they might both land?

Extension: MT is a bullfrog. He is world famous for his long jump. Every time he jumps he travels exactly the same distance. When he takes 4 jumps and 8 frog steps it is the same as taking 52 frog steps.

 How many frog steps are in two jumps and 4 frog steps?

 How many frog steps are in each of MT’s jumps?