

Possible Solutions Example 1

Mrs. Lowe charges \$45 an hour with a \$10 flat fee for tutoring. Mrs. Smith charges \$40 an hour with a flat fee of \$15 to tutor. Write an equation that represents the situation when is cost the same to be tutored by Mrs. Lowe and Mrs. Smith?

Possible Solution 1

- When translating a word problem to an equation it is important to identify the variable, in this case it is the number of hours (h) to be tutored.
- The next step is to identify what is being multiplied and the fixed cost. In this case, the cost per hour is the multiplicative piece of the problem and the flat fee is the fixed cost.

$$45h + 10 = 40h + 15$$