Using Equations to Solve Problems

Make up an equation for each problem. Then solve the equation to get the answer.

"I'm thinking of a number. If you multiply it by 6 and then add 7, you will get 55.

What is my number?"

6x + 7-7= 55-7 Equation:

"I'm thinking of a number. If you multiply it by 4 and then add 13, you will get 37. What is my number?"

Equation:

Answer: 8

"I'm thinking of a number. If you multiply it by 8 and then add 17, you will get 33. What is my number?"

Equation:

Answer:

"I'm thinking of a number. If you multiply it by 5 and then take away 7, you will get 53. What is my number?"

Equation:

Answer:

"I'm thinking of a number. If you multiply it by 8 and then subtract 13, you will get 43. What is my number?"

Equation:

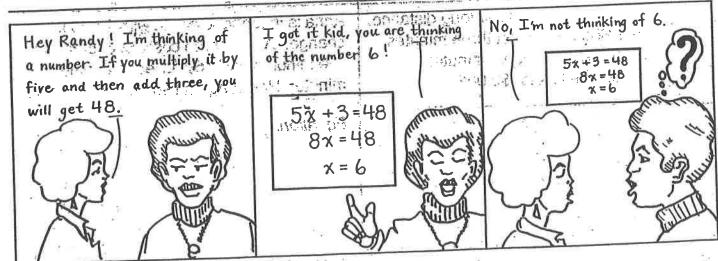
Answer:

"I'm thinking of a number. If you multiply it by 5 and then subtract 24, you will get the number I am thinking of. What is my number?"

Equation:

Answer:

Answer:



Do you know what number Debra was thinking of? Can you prove it?