Tracey was in a big rush and she really needed socks. She went into the store and grabbed a stack of socks, paid $18 for them and went home. When she got home she counted and had 9 pairs of socks. How much did she pay for each pair of socks?

**MATH STANDARDS ALIGNMENT**
Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

**Personal Finance Big Ideas:**
*What is Money*

**METHOD 1: DRAW A PICTURE**
First I started by drawing out 9 circles to represent the 9 pairs of socks. And I gave them each 1 mark to represent $1.

That was only $9, so I added another $1 to each pair of socks and I ran out in this round:

Once I was done counting, I could see that there were 2 marks for each pair of socks and that represented $2 per pair of socks. To check my answer, I counted by twos 9 times: 2, 4, 6, 8, 10, 12, 14, 16, 18. Great!
METHOD 2: GUESS AND CHECK – USING KNOWN FACTS
I was not sure how much each pair of socks was, so I thought I would use the guess and check strategy. I decided to start by seeing how much the total would be if each pair of socks was $5.

Checking $5 per pair:
I know that ten 5s are $50. So nine 5s are $45. That’s way too high!

I’ll try $3 per pair:
I know that ten 3s are $30. So nine 3s are $27. Still too high, but closer!

I’ll try $2 a pair.
I know that ten 2s are $20. So nine 2s are $18. Got it!!!

Each pair of socks is $2.

METHOD 3: GUESS AND CHECK – SKIP COUNTING
I didn’t know how much Tracey spent on each pair of socks either, so I decided to try $3 per pair of socks. I knew if I skip counted 9 times I would be know how much it would be it each pair was $3. I used my fingers to keep track of my 3s.

Well if they were $3 the total would be $27, which is too high!

I know if they were $1 each the total would be $9, so I’ll try $2 for each pair of socks.

Great! If the socks are $2 a pair, then the total is $18!