

From the given problem, it can be inferred that the length of one side of each rectangle is equal to that of one side of the square, denoted as  $a$ . Let the length of one side of each rectangle be denoted as  $b$ ; then, we have  $5b = a$ . The perimeter of each rectangle can be obtained as  $2 * (a + b) = 60$  centimeters.

Substituting  $5b = a$  into the formula for the perimeter of the rectangle, we have  $2a + 25b = 60$ . Simplifying it gives  $2a + 10b = 60$ . Since  $a = 5b$ , it follows that  $2a = 25b = 10b$ . Therefore,  $10b + 10b = 60$ , which gives  $b = 3$  centimeters and  $a = 5b = 15$  centimeters.

Thus, the perimeter of the square is  $4a = 4 * 15 = 60$  centimeters.

## Mathematics

同学们进行广播操比赛，全班正好排成相等的6行。小红排在第二行，从头数，她站在第5个位置，从后数她站在第3个位置，这个班共有多少人

The students are having a radio exercise competition, and the whole class is neatly arranged into 6 equal rows. Xiaohong is in the second row, counting from the front, she is in the 5th position. Counting from the back, she is in the 3rd position. How many people are there in this class?

## Responses

Model	Response	Elo
Qwen-7B-Chat (SFT)	<p>小红前面的人数= <math>5 - 1 = 4</math>，小红后面的人数= <math>3 - 1 = 2</math>，全班人数= 小红前面的人数+ 小红后面的人数+ 小红自己= <math>4 + 2 + 1 = 7</math></p> <p>The number of people in front of Xiaohong = <math>5 - 1 = 4</math>, the number of people behind Xiaohong = <math>3 - 1 = 2</math>, the total number of people in the class = the number of people in front of Xiaohong + the number of people behind Xiaohong + Xiaohong herself = <math>4 + 2 + 1 = 7</math>.</p>	976
Qwen-14B-Chat (SFT)	<p><math>5+3-1=7</math> (人)</p> <p><math>7 \times 6=42</math> (人)</p> <p>这个班共有42人。</p> <p><math>5+3-1=7</math> (people)</p> <p><math>7 \times 6=42</math> (people)</p> <p>There are a total of 42 people in this class.</p>	976
Qwen-14B-Chat (RLHF)	<p>小红前面有4个人，后面有2个人，所以这一行共有<math>4+2+1=7</math>个人。</p> <p>全班共有6行，所以全班共有<math>6 \times 7=42</math>个人。</p> <p>There are 4 people in front of Xiaohong and 2 people behind her, so there are a total of <math>4+2+1=7</math> people in this row.</p> <p>There are a total of 6 rows in the class, so there are a total of <math>6 \times 7=42</math> people in the whole class.</p>	1139
GPT-3.5	<p>根据题目信息，小红排在第二行第5个位置，也即第11个位置。而小红从后数是第3个位置，也即倒数第11个位置。所以这个班共有11个人。</p> <p>According to the information given, Xiaohong is in the second row, fifth position, which is also the 11th position. And Xiaohong is in the third position from the end, which is also the 11th position counting from the back. So there are a total of 11 people in this class.</p>	897
GPT-4	<p>如果小红从头数是第5个，从后数是第3个，那么这一排就有<math>5+3-1=7</math>人。全班正好排成6行，所以班级里有人数为<math>7 \times 6=42</math>人。</p>	1010