This task is to help me know what you know and how I can help you. Don't worry. Try your best.

Name Student A

Nola was selling tickets at the high school dance. At the end of the evening, she picked up the cash box and noticed a dollar lying on the floor next to it.

She said, "I wonder whether the dollar belongs inside the cash box or not."

The price of tickets for the dance was 1 ticket for \$5 (for individuals) or 2 tickets for \$8 (for couples). She looked inside the cash box and found \$200 and ticket stubs for the 47 students in attendance. Does the dollar belong inside the cash box or not? Justify your answer.

S = single fickets

$$C = \text{couples fickets}$$
 $5s + 4c = 200$
 $5s + 4c = 200$
 $-4s - 4c = -108$

S = 12 number of single fickets

 $5t = 47$
 $12 + c = 47$
 $c = 35 \# \text{of couples fickets}$
 $5(12) + 4(3s) = 200$

No, the dollar does not belong in the cash box

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Name Student B

Nola was selling tickets at the high school dance. At the end of the evening, she picked up the cash box and noticed a dollar lying on the floor next to it.

She said, "I wonder whether the dollar belongs inside the cash box or not."

The price of tickets for the dance was 1 ticket for \$5 (for individuals) or 2 tickets for \$8 (for couples). She looked inside the cash box and found \$200 and ticket stubs for the 47 students in attendance. Does the dollar belong inside the cash box or not? Justify your answer.

Let
$$s = number of single students$$
 $c = number of couples$
 $2c = number of tickets sold to couples$
 $5s + 8c = 200$
 $5 + 8c = 200$
 $-4s - 8c = -188$
 $5 = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5 = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5s = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5s = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5s = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5s = 12$
 $5s + 8c = 201$
 $-4s - 8c = -188$
 $5s = 13$
 $5s$

This task is to help me know what you know and how I can help you. Don't worry. Try your best.

Name Student C

Nola was selling tickets at the high school dance. At the end of the evening, she picked up the cash box and noticed a dollar lying on the floor next to it.

She said, "I wonder whether the dollar belongs inside the cash box or not."

The price of tickets for the dance was 1 ticket for \$5 (for individuals) or 2 tickets for \$8 (for couples). She looked inside the cash box and found \$200 and ticket stubs for the 47 students in attendance. Does the dollar belong inside the cash box or not? Justify your answer.

$$5i + 8c = 1200$$

 $i + c = 47$
 $i = 47 - c$
 $5(47 - c) + 8c = 200$
 $7c = 35$
 $c = 5$ couples
 $i + c = 47$
 $i + 5 = 47$
 $i = 42$ individuals
No, the dollar doesn't go in the cash box