

Which Answer Makes Sense?



For each set of problems, circle the number sentence with the correct product. Do not calculate the exact answer. Explain how you knew which product was correct without finding the exact answer.

- 1 $0.5 * 410 = 810$
 $0.5 * 410 = 205$
 $0.5 * 410 = 2,050$

Sample answers: I know that 0.5 means 5 tenths, or half, so I knew the answer would be less than 410. I rounded 410 to 400 and knew that $0.5 * 400$ is 200, so I think that

205 is the correct answer. I know that 0.5 is less than 1 and that multiplying 410 by a number less than 1 would give me a number smaller than 410.

- 2 $1 * 410 = 410$
 $1 * 410 = 4,130$
 $1 * 410 = 41$

Sample answer: I know that when you multiply a number by 1, you get the same number, so I knew the answer was 410.

- 3 $2.5 * 410 = 750$
 $2.5 * 410 = 330$
 $2.5 * 410 = 1,025$

Sample answers: I know that 2.5 is between 2 and 3, so I multiplied $2 * 400 = 800$ and $3 * 400 = 1,200$. I knew that $2.5 * 410$ would be in between 800 and 1,200, so I

chose 1,025. I know that $410 * 2$ is going to be around 800. I think the answer is going to be more than that because we're multiplying 410 by 2.5, so it won't be 750 or 300.