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FRACTIONS

2002A 17. Sarah pours four ounces of coffee into an eight-ounce cup and four ounces of cream into a second cup of the same size. She then transfers half the coffee from the first cup to the second and, after stirring thoroughly, transfers half the liquid in the second cup back to the first. What fraction of the liquid in the first cup is now cream?

(A) 1/4   (B) 1/3   (C) 3/8   (D) 2/5   (E) 1/2