



14. A square number is divided by 6. Which of the following could not be the remainder?

- A 0 B 1 C 2 D 3 E 4

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- 14. C** When divided by 6, a whole number leaves remainder 0, 1, 2, 3, 4 or 5. So the possible remainders when a square number is divided by 6 are the remainders when 0, 1, 4, 9, 16 and 25 are divided by 6. These are 0, 1, 4, 3, 4 and 1 respectively, so a square number cannot leave remainder 2 (or remainder 5) when divided by 6.