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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3DyX8Q_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6fAPDdtdvqnOztFo1Nuv3cQUgbw-2BE3XskFtQWN0qNkJ0HMv2OVWEu82R26TWj9xuu-2B17tDCYJui3zCHLM2ldu2U7IkOF25mfRryQC1jyRWyjddzlUScaTsH7y-2FyZJh3XOIu5PaDVkFtR2wSIsTPubVZpq3GLAi0Si9NtB2FaLS8LtIHqw7LVmq64BF4GU-2BHsZ) |

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| **Rolling 9s for $50** |

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| ***Statistics, Probability Theory, Expected Value*** |

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| Suppose you are playing a game where there are two fair six-sided dice, and every time you roll the dice and they add up to 9, you win $50. However, to roll the dice costs $20 to play. Is this a game you're willing to play? |