

7 On any given day, the probability that Moena messages her friend Pasha is 0.72.

- (a) Find the probability that for a random sample of 12 days Moena messages Pasha on no more than 9 days. [3]

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- (b) Moena messages Pasha on 1 January. Find the probability that the next day on which she messages Pasha is 5 January. [1]

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- [5]

[illegible]