

Board game

This task is about the chance of something happening in a board game.



Ashlee and her friends are playing a board game.

- Every time a player has a turn, they receive either a coin or a note.
- The chances of receiving a note or a coin are the same.
- There is no other way of receiving notes or coins.

a) If Ashlee has had 10 turns, circle the correct statement.

- | | |
|---|--|
| <input type="radio"/> She will have received exactly 5 coins. | <input type="radio"/> She could have received anywhere from 0 to 10 coins. |
| <input type="radio"/> She must have received between 3 and 7 coins. | <input type="radio"/> She cannot have received more than 8 coins. |
| <input type="radio"/> She will have received exactly 10 coins. | |

b) If Ashlee has received 100 coins, circle the correct statement.

- | | |
|---|--|
| <input type="radio"/> She has had 200 turns. | <input type="radio"/> She has had between 180 and 220 turns. |
| <input type="radio"/> She has had fewer than 250 turns. | <input type="radio"/> She has had at least 160 turns. |
| <input type="radio"/> You cannot tell how many turns she has had. | |

c) If Ashlee has had 50 turns, circle the correct statement.

- | | |
|---|---|
| <input type="radio"/> She will have received exactly 25 notes. | <input type="radio"/> She is as likely to have received 10 notes as she is to have received 20 notes. |
| <input type="radio"/> She must have received at least 20 notes. | <input type="radio"/> The most likely number of notes she will have received is 25. |
| <input type="radio"/> She must have received between 21 and 29 notes. | |