



DappQuiz White Paper

Play and earn — a decentralized quiz game on Polygon

Introduction

DappQuiz is a decentralized quiz game built on the Polygon blockchain. Players connect a wallet, pay a small entry fee, and answer 20 trivia questions as fast and accurately as they can. The fastest, most accurate players win real money from a shared prize pool.

Everything that decides the outcome — who paid, who played, who won, and how much — is enforced by a smart contract, not by DappQuiz or any company. Anyone can read the contract's code. That is what makes this a trustless game: you do not have to trust us, you can verify the rules yourself.

How the Game Works

- 1. Connect your wallet.** Use MetaMask, Trust Wallet, or any wallet that supports Polygon. No sign-up, no personal information, no KYC. Your wallet address is your identity in the game.
- 2. Pay to enter.** Each play costs an entry fee. This is not a one-time fee for the whole round — you pay every time you want to play. There is no limit on how many times you can play in the same round.
- 3. Start when ready.** After paying, you choose when to start. The game's clock only begins the moment you click Start — not when you pay. This means a slow wallet confirmation never costs you time.
- 4. Answer 20 questions.** Each question has four multiple-choice answers. Answer as quickly and accurately as you can.

5. Wrong answers cost time. Every wrong answer adds 18 seconds to your final time. Lower total time is better.

6. Quit any time. If you want to stop early, click “Quit & submit score.” Whatever you've answered counts; any questions you haven't reached are scored as wrong. This still uses up your paid entry — to play again, pay again.

7. Confirm your score. When you finish (or quit), the game calculates your score and asks you to confirm one more transaction to record it on the blockchain. This transaction costs only network gas, not an entry fee.

8. Play again if you like. You can pay and play as many times as you want within the same round. Every attempt is recorded separately on the leaderboard — even the same wallet can hold more than one of the top three spots at once, and win more than one prize.

Rounds and Rewards

The game runs in rounds. Each round lasts 6 hours. At the end of a round, the three fastest scores win a share of that round's prize pool:

- 1st place — 50% of the pool
- 2nd place — 20% of the pool
- 3rd place — 10% of the pool

The remaining 20% goes to DappQuiz. A new round then begins immediately, with its own fresh prize pool.

New games cannot be started in the final 5 minutes of a round. This gives everyone already playing enough time to finish before the round closes.

If two players end up with the exact same score, the player who submitted their score first ranks higher.

Each game session must be completed within 30 minutes of starting. If you run out of time, that attempt cannot be submitted — the same rule that makes speed matter also means you should finish promptly.

Boosted Prize Pools

From time to time — particularly around launch and special events — DappQuiz may add its own funds to a round's prize pool. When we do, that money goes into the same pot everyone is competing for and is paid out to players by exactly the same rules. It buys no advantage: seeded funds grant no entry, no play, and no place on the leaderboard.

Every top-up is a transaction on the blockchain, so you can see it happen and verify the amount yourself.

Claiming Your Winnings

Winnings are not sent to you automatically. If you win a prize, a “Claim” button appears showing your available balance. Click it and confirm the transaction to withdraw your winnings to your wallet, whenever you're ready. Unclaimed winnings stay safely recorded for you — there's no deadline to collect them.

Why Blockchain

DappQuiz does not hold your funds. You pay directly into the smart contract, and the smart contract — not a company or a server — decides who wins and how much. Every payment, every score, and every prize is recorded on the blockchain and can be independently checked by anyone.

The correct answers are never sent to your browser while you play — only after you've submitted — so there is nothing to be found by inspecting the game. Scores are calculated using the exact time you took, then signed and verified on-chain, so no player can fake a result.

No One Can Hold the Game Hostage

At the end of every round, someone has to tell the contract to close it and record the winners. In many games that power sits with the operator alone — and if their server fails or they simply walk away, the prize pool is stuck with no way to release it.

DappQuiz works differently: **anyone can close a round** once its time is up. We run an automated service that does this within a minute of each round ending, but it is not privileged. If our service ever stopped, any player could close the round themselves and the prizes would still be paid out exactly as the contract dictates. Your winnings can never be trapped by our failure.

Our Vision

We want quiz games to be fair and transparent by design, not by promise. DappQuiz is a first step: a simple, honest game where the rules are public, the code is verifiable, and the prizes go to whoever earns them — fastest and most accurate, every time.

Over time, we intend to keep improving the game based on player feedback, while keeping the same core principle: DappQuiz should never require players to trust anyone but the code.

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