

Tezos Staking & Baking Calculator

With this interactive guide you can inform yourself how much tez you approximately earn in one year if you **delegate to a baker (stake)** or if you **bake yourself**.

Disclaimer: done to the best of our knowledge and intent. These calculations are not accurate and may look diifferent in reality due to various reasons!

First, make adjustments to your calculation

MY STAKE

How much tez do you have?
If you consider baking
you need at least
600 tez + 5,400 tez
in delegations

AVERAGE TEZOS ROI

The base of all calculations is
the **AVERAGE TEZOS ROI** as
stated on tzkt.io This is how
much % you would yield in a
year if you run a bakery on
your own without delegators.

BAKER PERFORMANCE

Almost every baker has little
downtime now and then. Check
the reliability of your baker at:

tzstats.com/bakers
tezos-nodes.com

tez

%

%

Why do bakers charge fees?

Bakers have costs: buying hardware,
power consupion, broadband connec-
tion, working hours for maintenance
and keeping the blockchain running.

The fees are taken from your rewards
before you get payed out.

Tezos Inflation

The average Tezos inflation per year at
the time of writing is **4.75%**
(Source: tzkt.io)
If your bakers' **effective Yield** is above
that number your stake is not
devaluated over time.

So what fee is fair?

A large amount of active bakers agree that fees should at least be between **10-20%**

What is Overdelegation?

Bakers with low fees tend to get more delega-
tors than they can handle (max. 10 x their own
stake). If you overdelegate a baker he/she
might cut all your rewards. If they don't, all
delegators get less because the rewards are
capped but still divided according to the stake
of each delegator, even the overdelegation.

STAKING

BAKING FEE

%
 %
 %
set
your
own
 %

Effective Yield

%
 %
 %
 %

My earnings

tez
 tez
 tez
 tez

I support my baker with

tez
 tez
 tez
 tez

AVERAGE TEZOS ROI
- AVERAGE TEZOS ROI
x BAKING FEE

x BAKER PERFORMANCE

MY STAKE
x EFFECTIVE YIELD

MY STAKE
x AVERAGE TEZOS ROI
x BAKER PERFORMANCE

- MY EARNINGS

HOW IT IS CALCULATED

AVERAGE TEZOS ROI
9
+ x AVERAGE TEZOS ROI
x BAKING FEE

x BAKER PERFORMANCE

MY STAKE
x EFFECTIVE YIELD

MY STAKE
x 10
x AVERAGE TEZOS ROI
x BAKER PERFORMANCE

- MY EARNINGS

Why is it worth baking?

Bakers have space for 10x their own stake. That means, if a baker has 6,000 tez he/she can bake 60,000 tez worth of delegations. Then he/she is fully delegated. Your effective yield gets higher due to the fees you charge of the rewards earned with the delegated tez.



by Tezberry Pie Dec 2022

Advice

Always inform yourself. Don't stake with exchanges because they don't participate in governance. Choose a baker who is active in the ecosystem, who is reliable, has enough free space and participates in governance.

Bakers have no way to communicate with all their delegators due to the anonymity of the blockchain. Check in from time to time to see if your baker performs as expected.

BAKING

Best Case Scenario
with 10x your own stake

BAKING FEE

%
 %
 %
set
your
own
 %

Effective Yield

%
 %
 %
 %

My earnings

tez
 tez
 tez
 tez

I payout to my delegators

tez
 tez
 tez
 tez