


# Kahoot!

## TLB quiz

1 play · 72 players





 A kahoot by Penn State

### Questions (7)

1 - Quiz

**What is NOT true about TLB?**


60 sec

-  It reduces the number of accesses to the page table ✗
-  It can be fully associative in the real world ✗
-  Miss from a TLB will cause a page fault ✓
-  It is usually very small, with only 16-512 entries ✗

2 - True or false

**If an access causes a page fault, it will always cause a TLB miss**

20 sec

-  True ✓
-  False ✗

3 - True or false

**It is possible to have a TLB hit but a cache miss**

20 sec

-  True ✓
-  False ✗

4 - True or false

**It is possible to have a page table miss (page fault) and a cache hit**

20 sec



True



False



5 - True or false

**It is possible to have a TLB hit but a page table miss (page fault)**

20 sec



True



False



6 - Quiz

**What is NOT true about a page fault?**

60 sec



It occurs more rarely than a TLB miss



If a page to be evicted is dirty, it has to be written back to the storage



While the page is being read/written, another process runs



It is done by a dedicated hardware



7 - Quiz

**Using a virtual address for cache lookup can cause a problem when...**

60 sec



The page size is too small or the cache size is too large



Two programs are sharing data



Always accessing the TLB even on a cache hit is too slow



Cache hit rate is extremely high

