Blockchain transaction Rate revision

Q: $t = 10$ min   new block

$S_b = 1$ MB   block size

$S_t = 250$ bytes   transaction size.

TPB: Transaction per Block ?

TPS : Transaction per second ?

Solution ① $TPB = \dfrac{S_B}{S_t} = \dfrac{1 \times 10^6}{250} = 4000$

② $TPS = \dfrac{TPB}{t} = \dfrac{4000}{10 \times 60} = 6.6667$

around 6-7 transaction per second.