



Problem of the Week

Problem A

Swimming Practice

Kunik takes swimming lessons at the community pool. A lap is the length of the pool, which is 25 m. During the lessons Kunik swims laps, from one end of the pool to the other end and back to the starting point. Kunik can swim 10 laps of the pool in 5 minutes if she is doing the front crawl, and she can swim 6 laps of the pool in 4 minutes if she is doing the backstroke.

- A) How many metres can Kunik swim in 10 minutes, using the front crawl?
- B) Approximately how long will it take Kunik to swim 60 laps of the pool if she uses the front crawl for half the laps and the backstroke for half the laps?
- C) If Kunik wants to swim faster when she is in the pool, should she do the front crawl or the backstroke? Justify your answer.



STRANDS NUMBER SENSE AND NUMERATION, PATTERNING AND ALGEBRA,
MEASUREMENT

