

Splashy Swim Club

The Splashy Swim Club wants to open a new pool in May. The pool is rectangular and has dimensions of 40 feet long, 25 feet wide, and 8 feet deep. To open the pool, the club needs to erect a fence, purchase a pool cover, paint the pool, and then refill the pool with water.

1. The club wants to leave 10 feet on each side of the pool for a deck, before the fence goes up. How much fencing does the club need to buy?

2. Each piece of 8-foot fence costs \$45. How much is the fence going to cost?

3. The pool cover the club wants to buy costs \$0.25 per square foot. How much will the pool cover cost?

4. At the beginning of the season, the swim club will need to paint the inside of the pool. If the floor and all the walls are painted, how much surface area does the club need to paint?

5. Each gallon of paint covers about 300 square feet. If each gallon costs \$12, how much is the paint going to cost?

6. How much water does the pool hold?

7. How much will it cost to open the pool?
