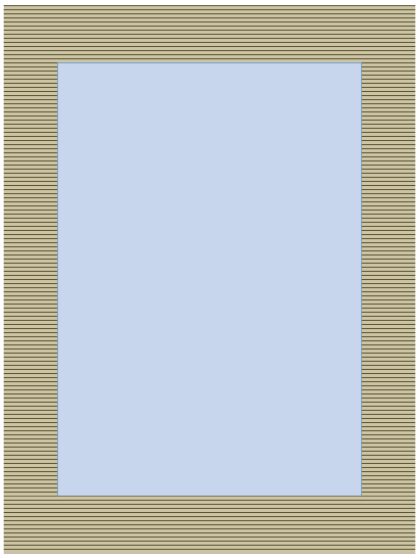
Perimeter - Swimming Pool Fence

A fence is being constructed around the perimeter of a swimming pool and deck. The dimensions of the pool are 20m by 15m. A 3m wide deck surrounds the pool.

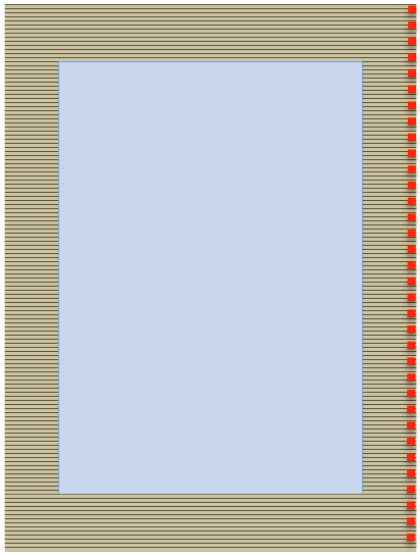
- How would I illustrate this information using the diagram?



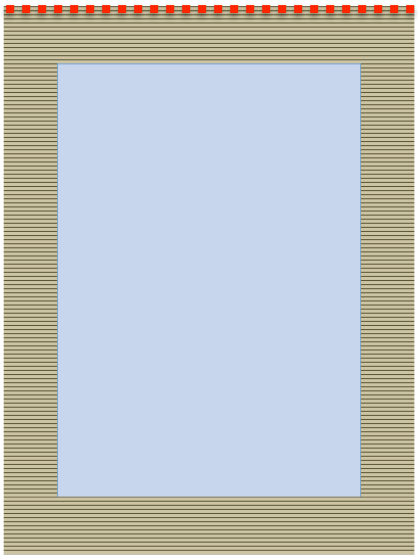
After the fence is constructed it will surround the perimeter of the swimming pool and deck.

- How would I use the diagram to illustrate the location of the fence after construction?

- How would I determine the length of fencing required along this side of the pool and deck?

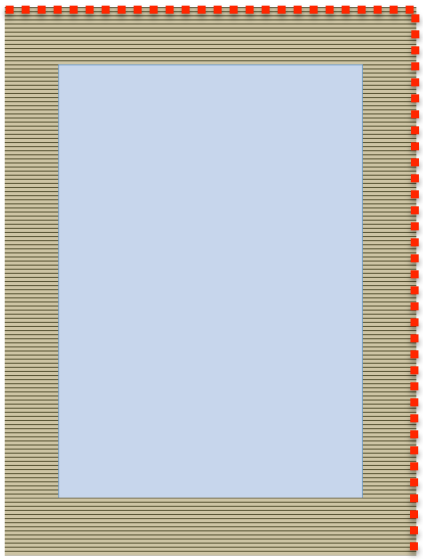


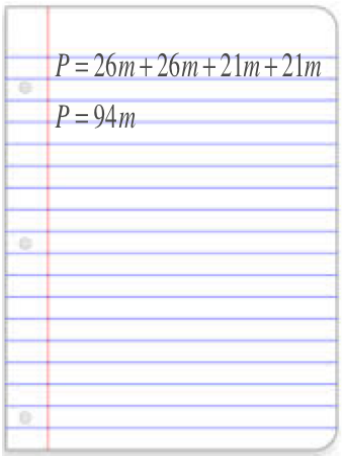
- How would I determine the length of fencing required along this side of the pool and deck?

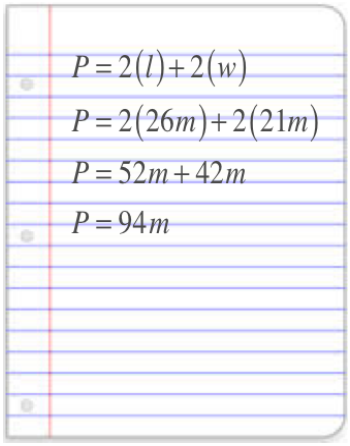


The diagram of the pool and deck now includes some additional dimensions.

- How will I use this new information to calculate the distance of fencing required to surround all sides?







- How would I summarize the math calculations performed in each solution approach?

- How would I explain why the different solution approaches result in the same perimeter?

The cost of the fencing material is $65 per metre.

- How would I explain and demonstrate extending my previous calculations to determine my total cost?

Perimeter - Swimming Pool Fence - Skills Checklist

- ☑ I can describe or illustrate the perimeter measurement of a shape
- ☑ I can explain and demonstrate how I determine any missing lengths required for calculating the perimeter of a shape
- ☑ I can explain and demonstrate how I calculate the perimeter of a shape
- ☑ I can explain and demonstrate how multiplication can sometimes help me calculate the perimeter of a shape

Perimeter - Swimming Pool Fence - Worksheet