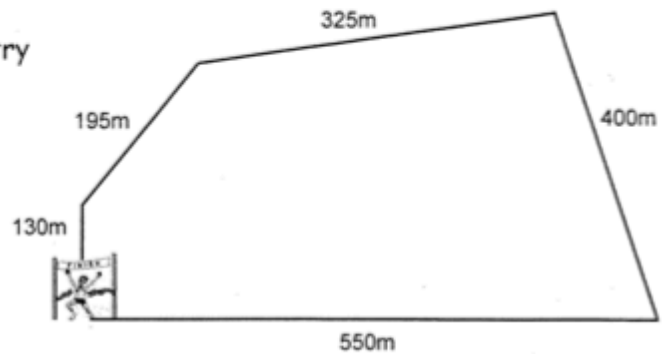


## Word problems involving perimeter:

### Task 16

This diagram shows the course for a school cross-country race that is to be run around a local park.

1. How far is one lap of this course?
2. Convert this distance to kilometres.
3. If the senior girls run 2 laps, how far is their race?
4. How many laps do the senior boys run if their race is 4.8km?



A new fence is to be built around a house.

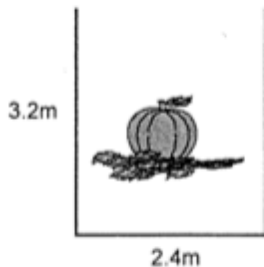
5. The rectangular section is 65 metres long and 30 metres wide. Calculate the total length of the fence.
6. If the fence costs \$15.00 per metre to build, calculate the cost of building this fence.

A 20 metre fence is to be built around a swimming pool.

7. If the shape around the pool is square, how long is each side?

Jenny is going to sew a ribbon around the bottom of a dress. When the dress is lying flat it measures 65cm along the bottom edge.

8. Calculate the length of ribbon that Jenny will need.
9. If the ribbon costs 25 cents per metre, what will it cost Jenny to do this?



Mr Jones is going to put up shade cloth on three sides of his vegetable garden to protect the plants, as shown in this diagram.

10. Calculate the length of shade cloth required.
11. If Mr Jones paid \$83.60 for the shade cloth, calculate the cost per metre of the shade cloth.

Miri is going to tie a ribbon around this parcel. The dimensions of the parcel are shown in the diagram.

12. Calculate the length of ribbon that is needed to go around the parcel, then add 60cm to allow for a bow to be tied.
13. If the ribbon costs 25 cents per metre, calculate the cost of the ribbon.

