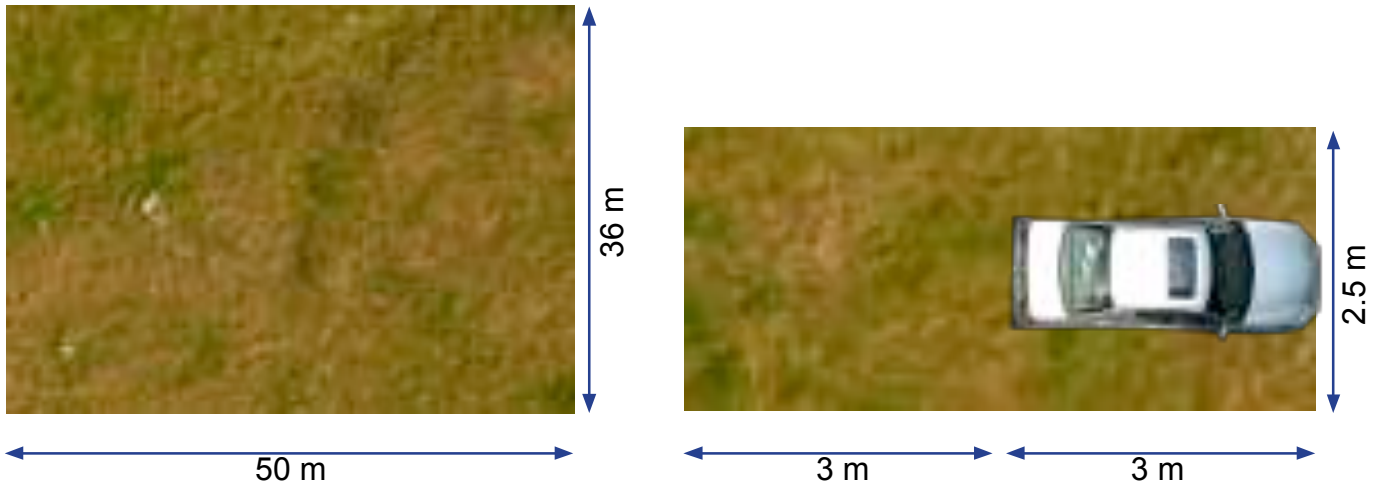


Holding a car boot sale - answers



1. The area of the field.
The area of the field = length \times width = 50 m \times 36 m = **1,800 m²**
2. The area of a car with space.
The area of a car with space = length \times width = (3 m + 3 m) \times 2.5 m = **15 m²**
3. The number of cars that can fit into the field.
Divide the area of the field by the area of the car and space = 1,800 \div 15 = **120 cars**
4. The amount of money you will raise if each car owner pays £3 entrance fee.
The total amount of money = number of cars \times charge per car = 120 \times £3 = **£360**

Take it further

Discuss how practical this method is of calculating the number of cars. Is there a 'best' way of parking so you can have the maximum number of cars?