

At Mike's bikes you use this formula to work out the cost of hiring a bike.

$$C = 12d + 8$$

$C$  is the cost in pounds and  $d$  is the number of days the bike is hired.

At Neil's wheels you work out the cost of hiring a bike using this table.

First day hire costs £30
Add £10 for each extra day

- (a) Chris wants to hire a bike for 3 days.  
Should he hire it from Mike's bikes or Neil's wheels?
- (b) Chen wants to hire a bike for 14 days.  
Should he hire it from Mike's bikes or Neil's wheels?

### Extension

Sam and Nat are planning a bike trip.

Sam says

'I think we need to hire bikes for 5 or 6 days.'

Nat says

'I think the trip will take longer. We need to hire bikes for 7 or 8 days.'

Should they hire their bikes from Mike's bikes or Neil's wheels?

Show how you decide.