

## Firefighters' Pay

Rank	Length of Service	Annual Pay
Firefighter (aged 19 or over)	After 6 months' service	£17,982
Firefighter (qualified)	After 15 years' service	£22,491
Station Officer	During 1 <sup>st</sup> year in rank (after 15 years' service)	£28,377
Senior Divisional Officer	During 1 <sup>st</sup> year in rank (after 15 years' service)	£40,038

[The information in the table above was taken from the Fire Brigades Union website [www.fbu.org.uk](http://www.fbu.org.uk) on 16/11/02]

### Task One

The firefighters, at the time of writing, are asking for a pay rise of 40%, whereas the government is offering a pay rise of 11%.

A suggested compromise has been a pay rise of 16%.

Investigate what effect each of these pay increases would have on the four annual rates of pay listed in the table above.

Show in full all calculations that you carry out. Present your findings clearly in a table and in a bar chart, and comment on your findings.

### Task Two

John Smith, a qualified firefighter with more than 15 years of service, always puts one sixth of his current salary into a savings account.

Next year, his salary may increase by 11%, 16% or 40%, depending on the outcome of the ongoing negotiations.

He decides that since his pay will be going up, he will only need to put one seventh of his new salary into his savings account.

For each of the three possible percentage pay increases, decide whether he will be paying more into his savings account, or less.

Show in full all calculations that you carry out. Present your findings clearly in a table, and comment on your findings.

