# Activity sheet 3.28: Building skills for assessment activity

*Learning outcome B: Cyber security*

You are due to write an article for a local newspaper on how and why computer systems are attacked.

1. Explain each of the following terms associated with why organisations’ computer systems   
   are attacked.
   1. Intellectual property

* 1. Ransomware

* 1. Denial-of-service (DoS) attacks

* 1. Identity theft

* 1. Social engineering

* 1. Phishing

* 1. Pharming

* 1. Man-in-the-middle attacks

1. Describe three actions that an employee might take that would result in the organisation being vulnerable to a cyberattack.







1. Explain how each of the following security measures could improve the security of a   
   computer system.
   1. Locks on computer-room doors

* 1. User access rights

* 1. Biometrics

* 1. Two-factor authentication

* 1. Firewalls

* 1. Anti-virus software

* 1. Data encryption

1. Discuss how an organisation could use ethical hacking to help to improve its computer security.

1. Explain how an acceptable software policy can improve the security of a computer system.

1. State four actions an organisation should take after a cyberattack.