Answer key

1 On alert

A

Possible answers

1 A hacker is someone who obtains illegal or unauthorized access to computer data.
2 It's difficult, but it's definitely possible to break into computer systems and read confidential information.
3 You can protect your computer by using anti-virus software and a personal firewall. You shouldn't open emails from strangers.

B

1d   2c   3a   4b

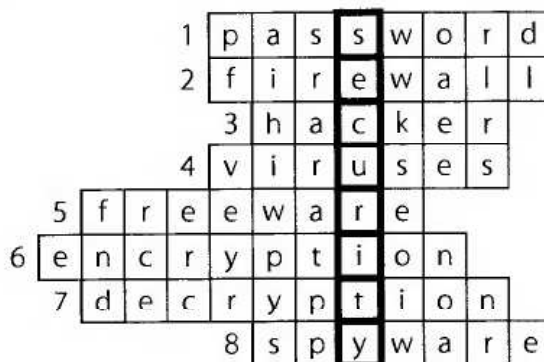## 2 Security and privacy on the Internet

A

Hacker used to be the general word for a person who was interested in computers. *Cracker* was the word used to describe someone who used their computer skills to break into people's computers for criminal gain. Now the word *hacker* is used to mean *cracker*. In the computer business, hackers who use their skills for good are known as *white hats* while crackers are known as *black hats*.

B

1 Because the Internet is an open system and we are exposed to hackers and crackers who break into computer systems to steal or destroy data. Security is vital when we send sensitive information or credit card numbers.
2 Mozilla Firefox displays a lock when the website is secure and it warns you if the connection is not secure; it also allows you to disable or delete cookies.
3 Banks use SSL (Secure Sockets Layer), a protocol which provides secure transactions.
4 We can encode our email using an encryption program like Pretty Good Privacy.
5 The most common methods to protect private networks (intranets) are passwords for access control, firewalls, and encryption and decryption systems.
6 A virus can enter a PC via an infected disc or via the Internet.
7 A worm spreads through email attachments; it replicates itself and sends a copy to everyone in an email address book.

C

1	p	a	s	s	w	o	r	d
2	f	i	r	e	w	a	l	l
3	h	a	c	k	e	r		
4	v	i	r	u	s	e	s	
5 f	r	e	e	w	a	r	e	
6 e	n	c	r	y	p	t	i	o	n
7 d	e	c	r	y	p	t	i	o	n
8	s	p	y	w	a	r	e	

3 Safety online for children

A

1a   2a   3b

B

1 privacy   4 aimed
2 offensive   5 filtering
3 propaganda   6 rate

4 The history of hacking

A

1 Kevin Mitnick hacking into the North American Defense Command in Colorado Springs
2 1981
3 He was arrested in connection with virus spreading after the Union Bank of Switzerland almost lost £32 million to hackers.
4 15

B

Open task

5 Language work: the past simple

A

1 was   6 overwrote
2 showed   7 infected
3 attempted   8 stole
4 launched   9 weren't affected
5 spread

B and C

Open tasks

6 Internet issues

Open task