

# Knowledge check

1 minute

Choose the best response for each of the questions below. Then select "Check your answers".

## Check your knowledge

1. How many keys are required when using symmetric encryption?

☐ Three.

☒ One.

✓ That's correct. Symmetric encryption uses one secret encryption key that's shared with all parties.

☐ Two.

2. When using asymmetric encryption, which key shouldn't be shared?

☒ Private key.

✓ That's correct. The private key should always be kept safe and never shared.

☐ Public key.

☐ Key pair.

### 3. What is a hashing function?

- ☐ A hashing function is an algorithm that creates a new ciphertext message from the plaintext.
- ☐ A hashing function is an algorithm that's used to decrypt ciphertext from the sender.

☒ A hashing function is an algorithm that creates a fixed-length hexadecimal value of the plaintext.

✓ That's correct. The hashing function creates a value that represents the content of plaintext and can be used to verify that the source document hasn't changed.

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## Next unit: Summary and resources

Continue >

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