

# ANSWER KEY

## UNIT 1

### 1 BEFORE YOU WATCH

**a** Possible answers:

- 1 They are a kind of picture writing.
- 2 The ancient Egyptians used them. They were used in the same way as writing – to keep records, as inscriptions on tombs.
- 3 They were written from top to bottom. They were carved in stone and also written on papyrus. They are the origin of the Roman, Hebrew, and Arabic alphabets.

**b** 1 a a, d, f

b b, c, e

2 Possible answers:

a similarities: They show simplified pictures of animals and people. They're used to communicate.

b differences: The emojis look more modern. The hieroglyphs were a complete writing system.

**c** 1 d 2 f 3 e 4 b 5 c 6 a

### 2 WHILE YOU WATCH

**a** Possible answers:

- 1 They enable people to express meaning through pictures.
- 2 Hieroglyphs are a complete writing system and can express complex ideas. Emojis are a shorthand for simple concepts, but not complete ideas.
- 3 They're both a simple way to convey meaning and can be understood by two communities with no common language.

**b** Possible answers:

- 1 to show that hieroglyphs are relevant to people's lives today
- 2 took years of training
- 3 invented in Japan in the late 1990s
- 4 It's very difficult, and they aren't designed for that.
- 5 by repeating a word
- 6 An agency in London has started employing them.
- 7 The same emojis may have different meanings.
- 8 unknown, but might be used more, and possible they could be used for poetry or literature

**c** 1 authorized 2 striking 3 profound 4 distrust, disbelief  
5 evolve

**d** 2 Possible arguments:

*For:* makes the exhibition more interesting; attracts younger people; attracts more visitors; gives people something to remember

*Against:* makes the topic more superficial; doesn't really explain much about hieroglyphics or ancient Egypt; seems like a "gimmick"; if people are interested in ancient Egypt, they don't want to look at emojis.

### 3 AFTER YOU WATCH

Answers will vary.

## UNIT 2

### 1 BEFORE YOU WATCH

**a** 0 to 3 months: 3, 5

4 to 6 months: 1, 6

7 to 12 months: 2, 8

1 to 2 years: 4, 7

### 2 WHILE YOU WATCH

**a** 1 She is very good at climbing.

2 Her parents are both good climbers. Experts say that young children are often good at climbing.

3 Yes, they acknowledge that climbing is dangerous and ensure there are safety measures in place, such as the crash pad.

**b** 1 T 2 F (She probably learned before she could walk.)

3 T 4 T 5 F (They only put it up to share with their friends and family, but it became very popular.) 6 F (Climbing helps develop good muscle strength in young children.) 7 T

8 F (She also enjoys other typical activities, like playing games and reading books.)

**c–d** 1 breaking a sweat

*meaning:* beginning to sweat

2 go for it

*meaning:* not hesitate to do something

3 blown away

*meaning:* amazed

4 Check out

*meaning:* look at

5 out of frame

*meaning:* close to something but can't be seen

6 extra eyes on

*meaning:* more people looking and checking

7 face plant

*meaning:* to fall over on your face

8 open as many doors

*meaning:* provide opportunities in life for someone

**e** Answers will vary.

### 3 AFTER YOU WATCH

Answers will vary.

# ANSWER KEY

## UNIT 3

### 1 BEFORE YOU WATCH

- a** 1 b (Roald Amundsen reached the South Pole five weeks before Robert Scott. Richard Byrd was the first person to fly to the South Pole in 1929.)  
 2 c (Quotes a and b were both said by Neil Armstrong.)  
 3 a (He sailed from Peru to Polynesia.)  
 4 c

### 2 WHILE YOU WATCH

- a** Possible answers:  
 1 Across the Pacific Ocean, from Chile to Australia  
 2 To prove it is possible to cross the Pacific in a traditional reed boat and show that people could have traveled to Polynesia 2,000 to 3,000 years ago.  
 3 It's a traditional sailing boat made of reeds.
- b** Possible answers:  
*Phil Buck's previous expeditions*  
*Destination:* Easter Island – 5,000 km from Chile  
*Reason:* To show that South American mariners could have discovered the island  
*Inspiration:* Thor Heyerdahl's voyage in the *Kon-Tiki*; read about his travels as a child  
*Viracocha III*  
*Boat construction and design:* made of reeds (from Lake Titicaca), wood, cotton sails, rope; no metal, plastic, or nails; traditional design, 60 feet long (= 18.3 meters)  
*Modern technology on the board:* GPS navigation systems, daily updates on social media  
*Food for the voyage:* traditional food: quinoa, potatoes, fish from the sea  
*Number of crew members:* ten people (plus a dog)  
*Expected journey time:* six months

- c** 1 mariners, seafaring 2 ancestral, crossings  
 3 waterproof, stability 4 contract, rigid 5 crew, quarters

### 3 AFTER YOU WATCH

Answers will vary.

## UNIT 4

### 1 BEFORE YOU WATCH

- d** 1 e 2 c 3 b 4 f 5 a 6 d

### 2 WHILE YOU WATCH

- a** 1–2

	Men	Women
<i>Beliefs</i>	f mathematical ability, i visual-spatial skills	h being empathetic
<i>Research</i>	c perception, d learning, g focus on a single task	a social skills, b memory, e multitasking

- b** 1 Between the front and the back of each hemisphere  
 2 Because a large sample size (number of participants) was used  
 3 It was a multitasking experiment.  
 4 Switching rapidly between tasks; planning strategy while multitasking  
 5 The differences in ability are small, but they can end up resulting in larger differences in behavior.  
 6 There's no conclusive answer to the research. A lot of research contradicts the Hertfordshire study because it has found there's no difference in multitasking ability between men and women.  
 7 The participants were in late puberty, so the differences that were found may not be lifelong.  
 8 Cultural differences that might be caused by things such as parenting and the environment we grow up in  
 9 That women have weaker mathematical ability and their smaller brain size leads to a significant difference in brain performance  
 10 There is still a lot we don't know about how the brain works.

### c

Verb (base form)	Noun	Adjective
1 fascinate	fascination	<i>fascinating, fascinated</i>
2 empathize	<i>empathy</i>	empathetic
3 perceive	perception	<i>perceptive</i>
4 persuade	<i>persuasion</i>	persuasive
5 investigate	investigation	<i>investigative</i>
6 discourage	<i>discouragement</i>	discouraging, discouraged
7 intrigue	<i>intrigue</i>	intriguing, intrigued

- d** 1 fascinated 2 empathetic 3 perception 4 persuasive  
 5 investigated 6 discouraged 7 intrigued

### 3 AFTER YOU WATCH

Answers will vary.

## UNIT 5

### 1 BEFORE YOU WATCH

- c** Possible answers:  
 1 every kind of work and social position  
 2 the main goal hasn't been achieved  
 3 to be treated unfairly  
 4 the difference in pay between women and men for doing similar work  
 5 the department that manages the finances of a company  
 6 finding things that indicate who committed a crime  
 7 improvement and contribution to the company  
 8 a similar job with similar responsibilities

### 2 WHILE YOU WATCH

- a** 1 ✓ (2 – Only summarizes one part of the video.  
 3 – The video isn't mainly concerned with comparing the U.S. with other countries.)  
**b** 1 D 2 B 3 C 4 A

# ANSWER KEY

**c** Possible answers:

- 1 Iceland is the first country to introduce a new law that requires employers to prove they are paying men and women equally for doing the same work.
- 2 There has been an equal pay law, but it hasn't been effective (women are still paid 14 percent less than men).
- 3 People gather to protest against unequal pay for women.
- 4 Companies now have to prove they are giving equal pay; employees no longer have to prove it.
- 5 a Yes – any company with more than 25 employees  
b No – only companies with more than 250 employees
- 6 In companies with over 200 employees, they can find out what coworkers of the opposite sex are paid if they have a comparable job.

## 3 AFTER YOU WATCH

Answers will vary.

## UNIT 6

### 1 BEFORE YOU WATCH

Answers will vary.

### 2 WHILE YOU WATCH

- a**
- 1 The Wynwood District in Miami Beach, Florida; the Quinta do Mocho District in Lisbon, Portugal
  - 2 In both places, street art has had a positive effect on the neighborhoods, which have become safer and tourists now visit them. In the Quinta do Mocho District, residents feel they have greater visibility and a sense of belonging to the city of Lisbon.
- b** *Wynwood District in Miami Beach, Florida*
- Before:* buildings were abandoned warehouses in an area with high crime and poverty
- Now:* seventh most popular tourist attraction in Miami; fashionable area with coffee shops, restaurants, and art galleries; improved economy
- Quinta do Mocho District in Lisbon, Portugal*
- Before:* dangerous suburb, with violence, crime, and unemployment; taxis refused to go there; residents felt excluded from the rest of Lisbon
- Beginning of change:* In 2014, a street art festival was organized where street artists were invited to paint blank walls of apartment blocks.
- Number of murals and artists:* more than 120 murals; about 100 artists (both Portuguese and international)
- Themes of the murals:* to raise awareness of local socioeconomic issues, such as discrimination, multiculturalism, and justice
- Residents' attitudes:* street art allows them to tell their stories and become more visible; allows for an exchange between residents and visitors, which creates a better atmosphere; results in a dialogue between parents and children; residents no longer feel abandoned.
- Specific improvements:* A bus line connects the district with the rest of the city. Crime rate has been reduced.

- c–d** 1 run-down 2 Plagued 3 exclusion 4 boasts  
5 resurrection 6 thought-provoking

## 3 AFTER YOU WATCH

Answers will vary.

## UNIT 7

### 1 BEFORE YOU WATCH

Answers will vary.

### 2 WHILE YOU WATCH

- a**
- 1  
1 A – computer/video games and gaming  
B – disabilities, people who are disabled
  - 2 people with disabilities playing computer/video games
  - 2  
a Ajay Yadav b Mick Donegan c Becky Tyler, Ajay Yadav  
d Becky Tyler e Becky Tyler f Ajay Yadav g Becky Tyler  
h Fiona Tyler i Mick Donegan
- b** Possible answers:
- 1 *Gaming for people with disabilities:* It can be a lifeline for them, but many people with disabilities aren't able to play.
  - 2 *SpecialEffect:* a charity that gives people with disabilities access to computer games; produced EyeMine; They offer advice, free software, and home therapy support.
  - 3 *EyeMine:* a software that allows gamers to play Minecraft using only eye movements
  - 4 *Minecraft:* a video game; players are encouraged to modify the game; uses open-source software
  - 5 *The social side of video games:* People who stop playing often miss it; important for people with disabilities as they may not have a lot of contact with people
- d** 1 lifeline 2 dexterity 3 Rediscovering 4 collaboration  
5 modify 6 affordable

## 3 AFTER YOU WATCH

Answers will vary.

## UNIT 8

### 1 BEFORE YOU WATCH

- c**
- 1 **snooze** button
  - 2 **disposable** income
  - 3 lie on the **index**
  - 4 sleep **disorders**
  - 5 brain gets **frazzled**
  - 6 need more **kip** (\*informal British English term)
  - 7 sleep **deprivation**

# ANSWER KEY

## 2 WHILE YOU WATCH

- a** 2 b  
**b** 1 T 2 T 3 F (Only respondents who were well-rested scored four points.) 4 F (You only need to go without sleep for a day or two.) 5 T 6 T 7 F (The TV News Host talks about the insurance company.) 8 T  
**c** 1 apparently 2 basically 3 essentially 4 certainly 5 actually

## 3 AFTER YOU WATCH

Answers will vary.

## UNIT 9

### 1 BEFORE YOU WATCH

- a** A 2 (a mansion in Priego de Cordoba, Spain)  
B 3 (a federal court building in Brasilia, Brazil)  
C 1 (The Treasury Building in Washington, D.C., U.S.)

### 2 WHILE YOU WATCH

- a** Possible notes:
- capital of Brazil
  - Brazilian government is located there
  - a new city, built in the 1950s
  - located in the center of Brazil
  - has a modern layout, tall apartment blocks, a lot of space between the buildings, wide roads, in the shape of an airplane
  - a planned city

**b–c** Possible answers:

*City:* Brasília

*Architect:* Oscar Niemeyer

*Built:* late 1950s *Inaugurated:* 1960

*Aim:* ideal city, to bring modern life to the center of Brazil

*Layout:* in the shape of an airplane

*Zones (purpose):* Each zone is for a particular activity.

- *the fuselage:* where the city's bureaucrats work
- *the wings:* location of their homes

*Location:* center of Brazil, on a plain

*General features:* 40km<sup>2</sup> lake, vertical buildings, no other features

*Architectural style and concept:* Brazilian (not European), modernist; no slums; a city for all people

*International recognition:* won praise for its beauty and optimism

*Awards:*

- *Brasília:* UNESCO World Heritage Site
- *Oscar Niemeyer:* 1988 Pritzker Prize (like the Nobel prize for architects)

*Current population:* 2.5 million

*Criticisms:* not on a human scale; no fun; streets are too wide, not suited to pedestrians; streets are lifeless; no mixture of shops and apartments

- d** 1 thriving 2 passion 3 designated 4 dominated  
5 sculptural 6 graceful 7 seamlessly 8 synonymous  
9 shy away 10 messiness

### 3 AFTER YOU WATCH

Answers will vary.

## UNIT 10

### 1 BEFORE YOU WATCH

- d** 1 d 2 c 3 h 4 g 5 a 6 b 7 e 8 f

### 2 WHILE YOU WATCH

**b** Possible notes:

*Good Riddance Day, New York*

*What happens?* People write down the names of events, problems, or issues that they want less of in their lives. The pieces of paper are put in a shredder.

*Background of the event:* a modern celebration based on similar celebrations in Latin America

*Burning the Muñeco, Latin America*

*What happens?* Effigies that represent famous people who have caused controversies are filled with firecrackers and then burned at midnight.

*Background of the event:* seen as a way to get rid of negative energy and bring good luck in the New Year; some famous people have misinterpreted the event as an act of aggression directed towards them personally

*Old Man Gloom (Zozobra), Santa Fe, New Mexico*

*What happens?* A 15-meter-high marionette is filled with the city's problems and burned.

*Background of the event:* happens in September (not at New Year's). The effigy is one of the world's largest marionettes – it can move its arms and make sounds. The character was invented by artists in the early 20th century. Today, 50,000 people attend the event.

*Naples, Italy*

*What happens?* People throw old furniture and electrical items out of their windows at midnight.

*Background of the event:* People hope they will get replacements of the furniture and electrical items in the new year.

*Corfu, Greece*

*What happens?* People throw pots out of their windows.

*Background of the event:* No one is hurt. People in the street collect pieces of the broken pots for good luck and to keep away bad spirits. The tradition goes back to ancient Greece – people threw away old planting pots to plant seeds in new ones in the spring.

- c–d** 1 up 2 towards 3 at 4 with 5 at 6 in 7 off 8 for

### 3 AFTER YOU WATCH

Answers will vary.