

Student's Book Answer Key

Module 1

English 4 all



Unit 1, page 12, exercise 1
(Students' own answers)

Unit 1, page 12, exercise 2
a 9 b 5 c 6 d 1 e 3 f 8
g 4 h 2 i 7

Unit 1, page 12, exercise 4
a theft; murder b 4,000 years ago
c governments d family law

Unit 1, page 13, exercise 5
a 2 b 2 c 1

Unit 1, page 13, exercise 6

- a T: Crimes such as murder and theft have been considered crimes almost everywhere.
b F: A basic principle of most systems of law is that someone is innocent unless proven guilty.
c F: Hammurabi's code consisted of 282 laws.
d F: Governments make laws. The police and judges enforce them.

Unit 1, page 13, exercise 7
(Students' own answers)

Unit 1, page 14, exercise 1

- The first sentences describe a complete action.
The second sentences describe a continuous action.

Unit 1, page 14, exercise 3

- a Instead of ...
b In comparison with ...
c On the other hand ...

Unit 1, page 14, exercise 4

- a The career choice of a son compared with that of his father.
b The stress suffered by those who practise a legal profession compared with those who do not.
c A lawyer's salary in comparison to a policeman's wages.

Unit 1, page 14, exercise 5
(Students' own answers)

Unit 1, page 15, exercise 1

- a1 a public official ...
a2 to form an opinion ...
b1 the punishment imposed on a criminal ...
b2 a group of words ...
c1 a defendant's representative ...
c2 the action by which something resists attack
d1 a legal dispute, to be settled ...
d2 a container in which clothes ...
e1 of short duration
e2 a written summary of the legal points ...

Unit 1, page 15, exercise 3

- a violent
b chaotic / legal
c innocent / guilty

Unit 1, page 16, exercise 2

- a paragraph 4
b paragraph 3
c paragraph 2
d paragraph 1

Unit 2, page 18, exercise 2

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

Unit 2, page 18, exercise 3

- A Economic necessity B Economic boom
C conflict

Unit 2, page 19, exercise 4 (suggested answers)

Text	Nationality	Place they migrated to	Reasons for migration
A	Irish	United States of America	Some for economic benefit. Others to escape starvation and seek a better life.
B	European	Kuwait	Kuwait needed skilled workers. Workers came seeking better life and high standard of living.
C	Spanish	France, Britain and the United States of America	The effects of war, especially the killing of civilians

Unit 2, page 19, exercise 5

- a the farmers
b Irish emigrants
c skilled workers
d the emigrant workers

Unit 2, page 19, exercise 6

(Students' own answers)

Unit 2, page 20, exercise 1

- a had visited
b had eaten
c had finished / had started
d left

Unit 2, page 20, exercise 2

- a1 A quarter of the population of Ireland emigrated in 1854.
a2 A quarter of the population of Ireland emigrated in the years leading up to 1854.
b1 Irish people emigrated whilst lots of them were dying from starvation.
b2 Irish people emigrated after lots of them had died from starvation.

Unit 2, page 20, exercise 3

- 1 hit 2 lasted / had lasted 3 was
4 had been obliterated 5 had become
6 showed 7 had split 8 had moved
9 killed / had killed 10 injured / had injured

Unit 2, page 20, exercise 4 (suggested answers)

- a He'd never flown before.
- b She'd failed twice.
- c He hadn't seen him for ten years.
- d He'd worked late the night before.
- e She'd passed her exams.
- f He'd switched his phone off.

Unit 2, page 21, exercise 1

- a uncomfortable b impatient c unfit
- d unhappy / displeased

Unit 2, page 21, exercise 2

- a celebrating / unexpectedly b unfairly c desirable
- d miserable / unlikely e wonderful / peaceful

Unit 2, page 21, exercise 3

- a earnings
- b destruction
- c disastrous
- d majority
- e activity
- f civilians
- g permanently

Unit 2, page 21, exercise 4

- a Ireland b live c visited d started

Unit 2, page 22, exercise 2

- 1a She was excited.
- 1b There was more open space, more opportunity to swim, and she did better at school.
- 1c She is now studying to become a doctor and loves the Australian lifestyle.

Unit 2, page 22, exercise 3

Age she left England	12
Where she moved to and why	Perth, Australia: father was offered a job there
Intended length of stay / actual stay	3 years (possibly longer) / 6 years
Occupation	Student doctor

Unit 2, page 22, exercise 4

(Students' own answers)

Unit 3, page 25, exercise 4

- a ... freedom is not as straightforward as its name may imply.
- b Caring for those worse off than ourselves ... is a human attribute we find in almost every society.
- c Society gives us many forms of protection that we wouldn't otherwise have ...
- d ... some ethnographers and anthropologists have set out to establish a set of universal human values.

Unit 3, page 25, exercise 5

(Students' own answers)

Unit 3, page 26, exercise 1

- a very badly.
- b barking aggressively at the children playing noisily.
- c drove smoothly ...
- d talk loudly ... behaving unacceptably.

Unit 3, page 26, exercise 2

- a the teacher shouted angrily.
- b should be held carefully.

- c The final scene ended tragically.
- d My new shoes fit very comfortably.
- e She creates culinary delights masterfully.

Unit 3, page 26, exercise 3

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

Unit 3, page 26, exercise 4

- type 0: b
- type 1: e, f
- type 2: c
- type 3: a, d

Unit 3, page 26, exercise 4b

(Students' own answers)

Unit 3, page 27, exercise 1

- a 2 b 1 c 1 d 1 e 1

Unit 3, page 27, exercise 2 (suggested answers)

liberty; freedom (liberty is the state of being free within society; freedom is the state of being independent)

empathy; sympathy (empathy is the ability to understand peoples' problems; sympathy is feeling pity for those problems)

fundamental; basic (fundamental is something of central importance to an idea; basic is something simple)

compassion; charity (compassion is a concern for others' suffering; charity is giving aid to alleviate suffering)

suffrage; enfranchisement (mean the same)

Unit 3, page 27, exercise 3

- a crying over spilt milk
- b over a barrel
- c over the top
- d tide me over
- e turn over a new leaf
- f over the hill

Unit 3, page 28, exercise 1 (suggested answers)

- a 3
- b 1

Unit 3, page 29, exercise 1 (suggested answers)

- A Improving sanitation
- B Providing hospitals worldwide
- C Full stomachs, smiling faces
- D What still needs to be done?

Unit 3, page 29, exercise 2

(Students' own answers)

Student's Book Answer Key

Module 2

Unit 4, page 34, exercise 1

- a deserts
- b (students' own answers)
- c (suggested answers)
environmental problems: lack of water; sparse vegetation; wind erosion; extreme temperatures
causes: climate; actions of humans

Unit 4, page 34, exercise 2

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

Unit 4, page 35, exercise 3 (suggested answers)

no rain; harsh climate; top layer of soil destroyed; overcultivation and overgrazing; deforestation

Unit 4, page 35, exercise 4

- a 1
- b 2
- c 2

Unit 4, page 35, exercise 5

- a F: Climate is also a cause of desertification.
- b F: 73% of the dry lands are affected.
- c F: Desertification is also caused by deforestation.

Unit 4, page 36, exercise 1

- a in order to b Because c to make (i.e. the infinitive)

Unit 4, page 36, exercise 2 (suggested answers)

- 1 a Why do some people move to greener areas?
- 1 b Why do farmers tend to overcultivate their land?
- 1 c Why are trees usually cut down?

Unit 4, page 36, exercise 3

(Students' own answers)

Unit 4, page 36, exercise 4

- a so that
- b (are) the real cause of ...
- c with the result that ...
- d this leads to ...

Unit 4, page 36, exercise 5

(Students' own answers)

Unit 4, page 37, exercise 1

- 1 day-to-day 2 climate 3 prevailing 4 Equator
- 5 humid 6 frigid 7 arid 8 droughts 9 forecasting
- 10 planting

Unit 4, page 37, exercise 3

- a again b wrongly or badly c not enough

Unit 4, page 37, exercise 5

- a I'm feeling warmer now.
- b They're cutting down that tree.
- c Rain can damage crops.
- d The climate's better here.
- e What's the weather like?
- f It's cool again today.

Unit 5, page 40, exercise 1 a

Processing objects and materials so that they can be used again

Unit 5, page 40, exercise 1 b

(Students' own answers)

Unit 5, page 40, exercise 2

(Students' own answers)

Unit 5, page 41, exercise 3

glass; paper and cardboard; plastic

Unit 5, page 41, exercise 4

- a bury b waste c equipment d car batteries
- e criminal offence f household rubbish

Unit 5, page 41, exercise 5

- a T: Recycling can be prohibitively expensive.
- b F: In most countries, waste is buried.
- c T: They all recycle paper.
- d F: We're running out of places where rubbish can be buried.
- e T: It pollutes the atmosphere.
- f F: Jim would make it a criminal offence in his country.
- g F: Big companies produce more waste than households.

Unit 5, page 42, exercise 1

- a criticism/annoyance
- b regret
- c regret
- d regret
- e criticism/annoyance

Unit 5, page 42, exercise 3

- a=1c b=1e c=1b d=1d e=1a

Unit 5, page 42, exercise 4

- a criticism b regret c regret d criticism e regret

Unit 5, page 42, exercise 5 (suggested answers)

- b I wish it was/were cooler.
- c I wish they'd (= would) drive more slowly.
- d I wish they are cheaper.
- e I wish I had remembered it.

Unit 5, page 42, exercise 6

- a had finished
- b had known
- c had gone

Unit 5, page 42, exercise 7

(Students' own answers)

Unit 5, page 43, exercise 1

- a saw red
- b put him on the black list
- c given the green light
- d it's in black and white
- e red tape
- f out of the blue

Unit 5, page 43, exercise 2

(Students' own answers)

Unit 5, page 43, exercise 3

- a keep up with = 2
- b cut down on = 4
- c come up against = 3
- d look forward to = 5

- e put up with = 1
- f get rid of = 6

Unit 5, page 44, exercise 1 (suggested answers)

- The overall amount of recycling has increased every year.
- The overall amount of recycling has doubled.
- The greatest overall increase in recycling is in green waste.
- The smallest overall increase is in metal waste

Unit 5, page 44, exercise 2

- a (students' own answers)
- b key fact # 5

Unit 5, page 45, exercise 1

- a The verbs are often in the passive voice (because it is a formal report, and because it describes processes).
- b Bullets are used to make the points stand out clearly.
- c The second sentence of the conclusion is not illustrated in the bar chart.

Unit 6, page 46, exercise 2

- a 2 b 5 c 1 d 4 e 3

Unit 6, page 46, exercise 3

- a B b A c C d B e C f C g A

Unit 6, page 47, exercise 4

- a D b B c E d A e C

Unit 6, page 47, exercise 5 (Suggested answers)

- a ...parts of Asia, including Vietnam and Tibet.
- b ...protects them from cold, damp conditions.
- c ...they are large and heavy.
- d ...they have sharp hearing.

Unit 6, page 47, exercise 6

- a pandas/ the disappearance of their habit
- b members of the bear family who do hibernate

Unit 6, page 48, exercise 1

- a the first sentence = 2; the second sentence = 1
- b the first sentence = 2; the second sentence = 1
- c the first sentence = 1; the second sentence = 2

Unit 6, page 48, exercise 3

- a were found b are protected c are being threatened
- d were being hunted e is punished f have been set up

Unit 6, page 48, exercise 4 a

- a past simple
- b present simple
- c present continuous
- d past continuous
- e present simple
- f present perfect

Unit 6, page 48, exercise 4 b

- 1 b, c and f
- 2 d: hunters e: the authorities
- 3 They are not as important as the actions themselves / they're obvious

Unit 6, page 48, exercise 5

- b Thick, warm coats protect pandas.
- c If enemies are threatening pandas, they climb up the nearest tree.

- d Until the 1960s, hunters were routinely hunting pandas for their skins.
- e The authorities severely punish anyone they catch hunting pandas.
- f Chinese authorities have set up panda sanctuaries.

Unit 6, page 49, exercise 1

- Bounty: abundance, plenty
- Cultivate: grow, raise, plant, sow
- Recompense: reward someone for effort
- Illegitimate: not in accordance with accepted standards
- Encroach: intrude on a person's territory or rights
- Nourishment: food

Unit 6, page 49, exercise 2

- reward: recompense
- grow: cultivate
- unsanctioned: illegitimate
- sustenance: nourishment
- wealth: bounty
- trespass on: encroach

Unit 6, page 49, exercise 3

- a on
- b from
- c with
- d in ... of

Unit 6, page 49, exercise 4

- 1,8 2,5 3,7 4,6



Student's Book Answer Key

Module 3

Unit 7, page 56, exercise 2

- a The expression of opinions or explanations about an event or situation.
- b involving an amount of effort that is burdensome
- c very good friends
- b feeling or showing sympathy and concern for others

Unit 7, page 57, exercise 3

Location	Name(s)	Age(s)	Family information	Other information
Mexico	Alberto and Maria Lopez-Garcia	100 and 99	Married 86 years, three sons and three daughters	Spent every day together since marriage. Simple way of life. Eat corn and soup for every meal.
South India	Sunil Narayanan	102	Married age 12.	Works 6 hours a day in family shop. Enjoyed everyday of his life.
China	May Chin	100	Husband died 20 years ago. 110 children, grandchildren and great grand children	Compassionate woman. Gets up everyday at 6 o'clock to cycle to nearby village and buy food.

Unit 7, page 57, exercise 4

- a 2 b 1 c 2

Unit 7, page 57, exercise 5

- a 2 b 3 c 1

Unit 7, page 57, exercise 6

- 1 geriatric 2 honour 3 compassion
4 expectation 5 integral

Unit 7, page 57, exercise 7 (Students' own answers)

Unit 7, page 58, exercise 1

- a had spent
- b had always had/had kept c was
- d had both been involved e had spent
- f had enjoyed g had never done

Unit 7, page 58, exercise 3

- b They always had a good social life and kept in regular touch ...
- c I'm not sure, but I suggest ...
- d They were both involved ...
- e I spent most of my life ...
- f I have enjoyed (every single day of) my long life ...
- g I never did paid work.

Unit 7, page 58, exercise 4

- a what b whether (or if) c if (or whether) d where
- e who f which

Unit 7, page 58, exercise 5

- a What is the secret of their long life?
- b Do you remember your wedding day?
- c Have you enjoyed your long life? Note: NOT Did you enjoy..., because that means the life is finished.
- d Where do you cycle to?
- e Who are you friends with?
- f Which do you prefer, the past or the present?

Unit 7, page 58, exercise 6

- a Reported questions do not invert the verb as direct questions do - i.e. they do not take the interrogative form.
- b *if* or *whether*
- c change: the tense of the verb; pronouns and possessive adjectives; time and place of references

Unit 7, page 58, exercise 7

- a I asked her how long she had been married.
- b I asked them if / whether they enjoyed spending time with each other.
- c They said they didn't have disputes about anything.
- d They said they were taking their grandchildren on holiday.
- e She asked them when they had first met.

Unit 7, page 59, exercise 1

- a doing b do c make d make / do e make / do
- f made g made / make h did

Unit 7, page 59, exercise 2

- 1 b 2 c 3 a

Unit 7, page 59, exercise 3

- 1 c 2 d 3 a 4 b

Unit 7, page 59, exercise 4 (Students' own answers)

Unit 7, page 60, exercise 1 (Students' own answers)

Unit 7, page 60, exercise 2 (Students' own answers)

Unit 7, page 61, exercise 3

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

Unit 8, page 62, exercise 1(a and b)

(Students' own answers)

Unit 8, page 62, exercise 2a (Students' own answers)

Unit 8, page 62, exercise 2b (suggested answers)

deserted, inhabitant, overcrowding, public services, socioeconomic

Unit 8, page 62, exercise 3(a and b)

(Students' own answers)

Unit 8, page 63, exercise 4

- 1d 2c 3d

Unit 8, page 63, exercise 5 (suggested answers)

- The different conditions meant that different crops grew better in the different locations.
- Modern technology has made it possible for big farms to price smaller farms out of the market. Cheap imports from other countries threaten indigenous farmers.
- All the young people have left for work in the cities, leaving only old people who are already retired.

Unit 8, page 63, exercise 6 (Students' own answers)

Unit 8, page 64, exercise 1 (a and b)

- Rarely do I have ...
- Never have I been so ...
- ... no sooner had I ...
- ... scarcely had I left ...
- little did I expect ...
- ... he told me that not only did he value his admirers..

Unit 8, page 64, exercise 2 (Students' own answers)

Unit 8, page 64, exercise 3

- Seldom have I been so upset about something.
- Never have I been so proud of you!
- Only now did she understand the problem.
- So strange was the situation that I could not sleep.
- Rarely had he seen something that made him so happy.
- Never had they seen such a beautiful sight.

Unit 8, page 65, exercise 1

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

Unit 8, page 65, exercise 2

a far and wide b nearest and dearest
c odds and ends d pick and choose e hustle and bustle
f peace and quiet g by and large

Unit 8, page 65, exercise 3

a natural b threaten c variety d peaceful e reminder
f excitement

Unit 8, page 65, exercise 4

- A Did you enjoy the concert? (rise)
B Which concert? (fall)
A The school concert. (fall)
B I didn't go. (fall)

Unit 9, page 68, exercise 1 (Students' own answers)

Unit 9, page 68, exercise 2

buying a bicycle, car repairs, using a computer

Unit 9, page 69, exercise 3

a 4 b 2 c 4 d 2

Unit 9, page 69, exercise 4

- F: It wasn't much more expensive.
- T: Car engines are much more complicated than they used to be.
- F: In the past everyone would repair their own car.
- F: It was much cheaper for the boys to print it themselves.

Unit 9, page 70, exercise 1

- an engineer b no (he's having it repaired)
- the speaker's father d an expert
- no (he thinks someone else produced it)
- the boy and his friends

Unit 9, page 70, exercise 2a

In the first sentence, they were the builders of their own house. In the second sentence, a builder built their house. In the third sentence, they asked a builder to build a house for them.

Unit 9, page 70, exercise 3

- She had it made.
- He's going to have his photo taken.
- He has it cleaned.
- We had them cut down.

Unit 9, page 70, exercise 4

- You can have your eyes tested.
- You can have your house redecorated.

Unit 9, page 71, exercise 1

a friendship b enjoyable / enjoyment / happiness
c fashionable d immobilised / careless e masterful
f tireless

Unit 9, page 71, exercise 2 (Students' own answers)

Unit 9, page 71, exercise 3

- just (was) not cricket 5
- calling the shots 1
- neck and neck 4
- toed the line 2
- below par 3

Unit 9, page 71, exercise 4

1 a 2 d 3 c 4 e 5 b

Unit 9, page 72, exercise 1c (Some suggestions)

personal details: name, date of birth, age
physical description: height, weight / build, hair colour
family and early life: family background, sisters / brothers, housing, education, interests
career: qualifications, previous jobs, current job, future prospects
personal life: friends, marriage, children
important dates: school, higher education, jobs
beliefs / opinions: what is important in life;
principles he / she lives by
achievements: sport, examinations, music, current and future challenges, etc.

Unit 9, page 72, exercise 2

a They are all included except:

- physical description
- opinions and beliefs
- personal life

b (suggested answers)

paragraph 1: Birth and family education

paragraph 2: Details of her career

paragraph 3: Achievements

Student's Book Answer Key

Module 4

Unit 10, page 78, exercise 1 (Suggested answers)

a qualities needed would include: fitness, strength, perseverance, determination, ability to endure solitude.

b difficulties and problems might include: exhaustion, lack of oxygen, avalanches, sickness, injury, getting lost / losing contact with the outside world, the cold.

Unit 10, page 78, exercise 2 (Students' own answers)

Unit 10, page 78, exercise 3

- T: He was the first to ascend the highest mountain on every continent.
- F: He: climbed Matterhorn two years after Mount Aconcagua.
- F: He was very experienced but he was still nervous.
- T: The conditions were perilous.

Unit 10, page 78, exercise 4

exhaustion, lack of oxygen, extreme cold, frost-bite, strong winds, dizzying heights

Unit 10, page 79, exercise 5 (suggested answers)

- He was nervous because he knew how dangerous the expedition would be.
- He had to be carried down the mountain by a member of his team.
- He had an experienced team that he relied on for support.

Unit 10, page 79, exercise 6

- climbing Mount Everest
- his climbing of the seven summits
- the year after visiting Pakistan

Unit 10, page 79, exercise 7 (Students' own answers)

Unit 10, page 80, exercise 1

- Past perfect simple; he scaled Mount Aconcagua
- Past perfect simple; climbing the mountain
- Past perfect simple; his team supporting him
- Past perfect simple; he had climbed so many

Unit 10, page 80, exercise 2

- past perfect continuous
- had been* + past participle
- The action was continuous / the action was completed

Unit 10, page 80, exercise 3

- He'd been climbing for four days.
- He had joined the 'seven summit' club.
- Oxygen levels had been dangerously low.
- He'd had the support of a great team.
- Temperatures had been extremely low.
- He knew it would be the hardest thing he had ever done.

Unit 10, page 80, exercise 4 (Suggested answers)

- He'd been training for a long time.
He'd bought lots of new equipment.
His mother had been worrying.
- He'd done the journey by jeep.
He'd talked to the local people.
He'd been planning it for months.

Unit 10, page 81, exercise 1

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

Unit 10, page 81, exercise 2 a

afraid – frightened
alight – burning
alike – similar
alive – living
asleep – sleeping

Unit 10, page 81, exercise 2 b

1 asleep 2 alight 3 frightened 4 alive 5 similar

Unit 10, page 81, exercise 3

a sure b unsure c sure d unsure e unsure

Unit 10, page 81, exercise 4

1 very bad 2 to inspire others 3 Zeddy
4 the Matterhorn 5 he helped with reconstruction

Unit 10, page 82, exercise 1 (Students' own answers)

Unit 10, page 82, exercise 2 (Students' own answers)

Unit 10, page 82, exercise 3 (Students' own answers)

Unit 10, page 83, exercise 1 (Students' own answers)

Unit 10, page 83, exercise 2 (Students' own answers)

Unit 11, page 84, exercise 1a

- 91 minutes
- It conducts experiments not possible in space
- $16 \times 7 = 112$
- USA, Russia, Japan, Brazil and the European Space Agency
- Kuwait was the first country in the Arab world to contact the ISS.

Unit 11, page 84, exercise 1b

1

Unit 11, page 85, exercise 2

a 6 b 3 c 2 d 7 e 1 f 4 g 5

Unit 11, page 85, exercise 3

speaker 1 approves; speaker 2 disapproves; speaker 3 approves

Unit 11, page 85, exercise 4

a 2 b 1 c 2 d 3 e 3 f 3

Unit 11, page 85, exercise 5 (Students' own answers)

Unit 11, page 85, exercise 6 (Students' own answers)

Unit 11, page 86, exercise 1

- The government should reward astronauts.
- A space suit has to be worn by each astronaut.
- Equipment can be transported into space by space shuttles.
- Diseases might have been cured by scientists if they hadn't spent all their time on space technology.
- Scientists carry out experiments on board the International Space Station.

Unit 11, page 86, exercise 2

a neither / nor b either / or c neither / nor d either / or
e neither / nor f either / or

Unit 11, page 86, exercise 3 (Suggested answers)

- a We can either spend money exploring space or feeding the homeless.
- b Space exploration can neither solve problems on Earth nor help us escape our problems.
- c He can neither eat nuts nor dairy products due to his allergies.
- d I can either stay up late and watch a film or get a good night's sleep.
- e I am neither taller nor heavier than my twin brother.
- f You could either buy a new game or a new book.

Unit 11, page 87, exercise 1b (Students' own answers)

Unit 11, page 87, exercise 2

- 1 astronomical 2 astronauts 3 space 4 mission
- 5 hazardous 6 continual 7 conveyed 8 shuttle
- 9 Station 10 transmitted 11 audio 12 wane
- 13 preservation

Unit 11, page 88, exercise 3

- a Their purpose is to give the subject of the paragraph.
- b To alert the reader to the subject of the report
- c facts
- d formal

Unit 12, page 90, exercise 1a

playing chess; playing the piano

Unit 12, page 90, exercise 1 (b and c)

(Students' own answers)

Unit 12, page 90, exercise 2

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

Unit 12, page 90, exercise 3

- A 5 B 3 C 2

Unit 12, page 91, exercise 4 (suggested answers)

Name	Nationality	Talent	Achievements
Shakuntala Devi	Indian	incredibly fast maths skills	Published author. Multiplied two 13 digit numbers in 28 seconds.
Tathagat Avatar Tulsi	Indian	Mathematics	Youngest person with Master's degree. (BSc age 10, MSc age 12)
Wolfgang Amadeus Mozart	Austrian	Musical genius	One of the greatest musical virtuosos of all time. Wrote music before age of four. Toured Europe playing music.

Unit 12, page 91, exercise 5 (Students' own answers)

Unit 12, page 91, exercise 6 (Students' own answers)

Unit 12, page 92, exercise 1

- A the first part (applies to all)
- B to add detail (applies to all)
- C involving; multiplying; doing; playing

Unit 12, page 92, exercise 2

- b ... multiplied two 13-digit numbers in her head.
- c ... he does / he is doing high-level research.
- d ... played his own compositions on the violin.

Unit 12, page 92, exercise 3

- a ... in big competitions, becoming the youngest ...
- b ... came first in every race, beating the previous ...
- c ... in the country, earning a million ...
- d ... stories accusing Nawaf ...
- e ... these accusations, explaining ...
- f ... continued to ride, trusting ... , refusing ...

Unit 12, page 92, exercise 4 (Students' own answers)

Unit 12, page 93, exercise 1

- a able b amazement c appealing d astonishment
- e mathematics f music g popularity

Unit 12, page 93, exercise 2a

- 1 irrelevant 2 illegal 3 unusual 4 disrespect

Unit 12, page 93, exercise 2 b (Students' own answers)

Unit 12, page 93, exercise 3

- 1 at 2 by 3 in 4 in 5 with 6 at 7 by 8 on
- 9 throughout 10 in 11 of

Unit 12, page 93, exercise 4

- c Not interested
- d Interested
- e Interested
- f Not interested

Unit 12, page 94, exercise 2

Question 1

The answer to the riddle is a **shadow**. Shadows always move at the same speed as the object which casts them, are always in proportion to that object, can be cast in front of or behind their source and are always aligned with the object that casts them.

Question 2

The answer to the riddle is a **river**. A river has a mouth (the place where it enters the sea), a bank (the land alongside it) and moves (or flows) but has no legs.

Question 3

The answer is the letter **m**. **m** is in the word *minute* once, in the word *moment* twice, and not at all in *a thousand years*. The time phrases are chosen as distractors.

Question 4

The answer is **e**. **e** is the first letter in (The beginning of) *eternity*, *every* and *end*. It is the last letter (The end of) *time*, *space* and *place*.

Question 5

The answer to the riddle is a **towel**. A **towel** dries something else and in doing so absorbs water from the object it dries, becoming wet in the process.

Question 6

The answer to the riddle is a **fire**. You feed a **fire** wood or coal and it gets bigger. However, if you give water a drink (pour water on it) it goes out.

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- a formal, polite language; technical language; opinions and facts
- b To justify her nomination for the prize; to back up his opinions
- c formal