

Unit 10:

People and numbers

Lessons 1–2 **How we spend our time**

Lesson 1

Unit

10

People and numbers

- **Topics** The language of Maths; places and buildings; charitable causes and good deeds; a class survey
- **Use of English** The definite article with places and buildings; expressions of quantity followed by *of*



Learning objectives :

Listening: To listen to people describe their free time activities using fractions and percentages .

Speaking: To talk about spending free time, using fractions and percentages .

Reading: To read explanations of fractions and percentages .

Writing: To complete pie charts with free time activities and fractions.

FREE TIME



singing karaoke 🎵



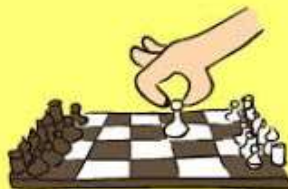
listening to music 🎵



surfing the Internet 🎵



playing video games 🎵



playing chess 🎵



playing cards 🎵

Key Vocabulary:

pie chart

Divide

whole number

per cent

Percentage

Fractions

Half

quarters thirds

Fifths

Tenths

Reading

Relaxing

Indoors

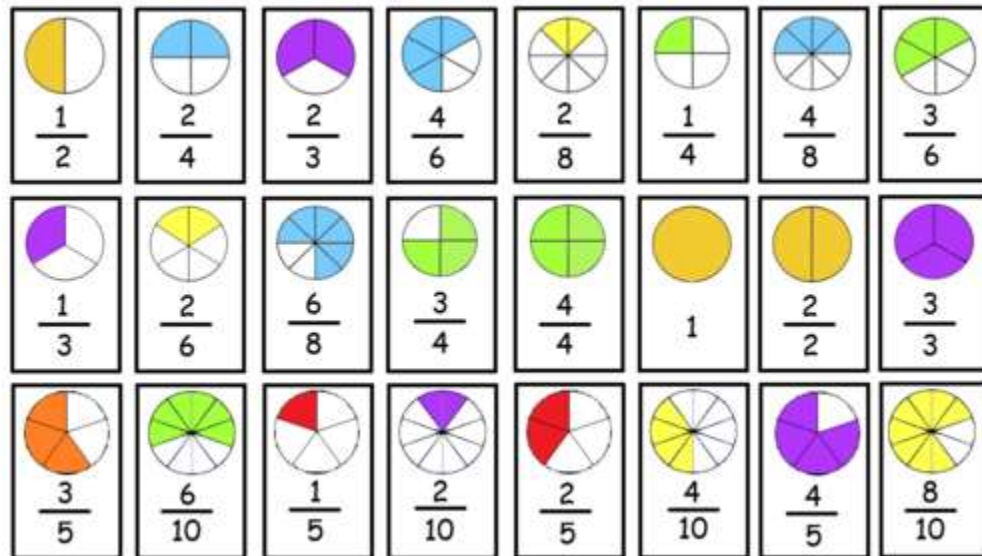
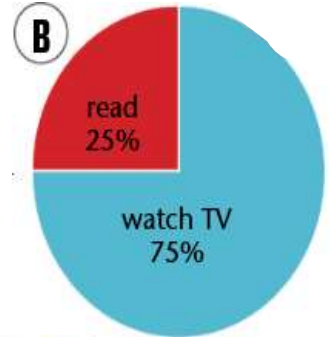
Outdoors

Gardening

watching TV

%

÷



Lessons 1–2 **How we spend our time**

- Think of some free-time activities. Which is your favourite? How often do you do it?

Listening

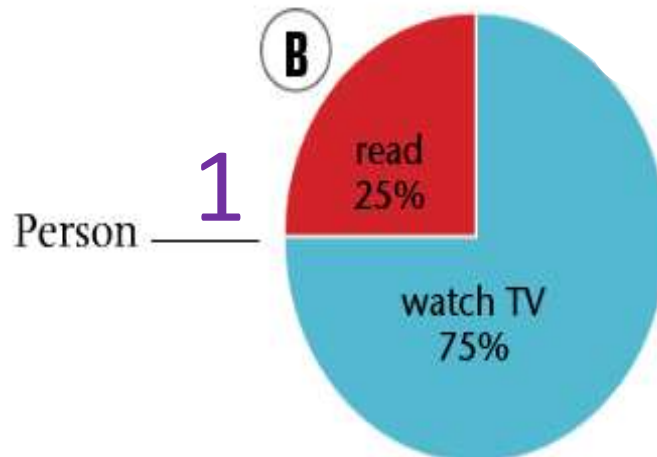
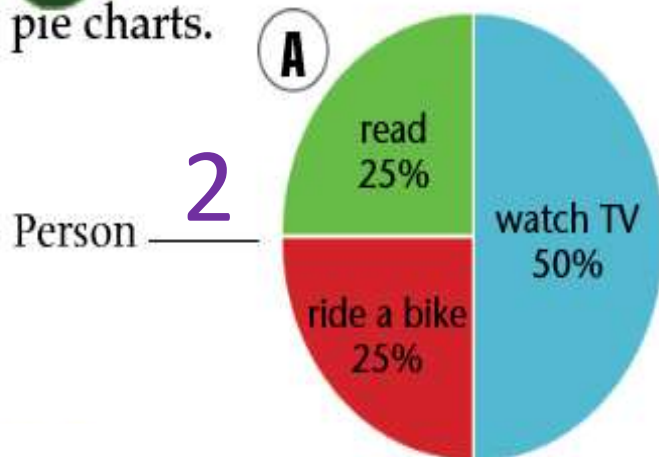


When you have four hours of free time, what do you do?



- 1 Think about how you would answer this question. Listen to two people's responses to the question. Were their answers similar to yours?

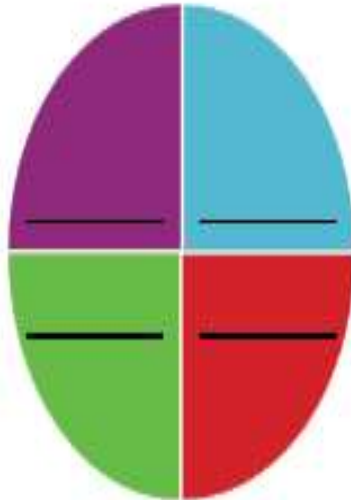
- 2 Listen to the two people again. Match the people to the pie charts.



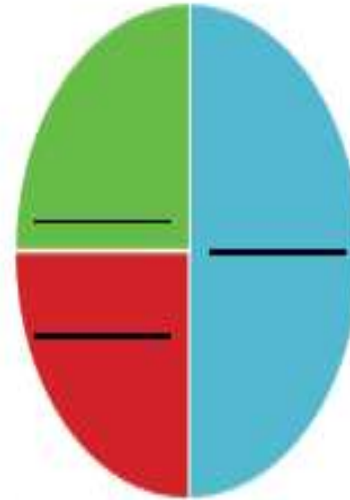


Listen to two more people's responses to the same question. Complete the pie charts.

Person 3



Person 4



Person 3: watching TV, reading a book, gardening, go for a run

Person 4: reading a book (half), reading magazines (quarter), reading comics (quarter)

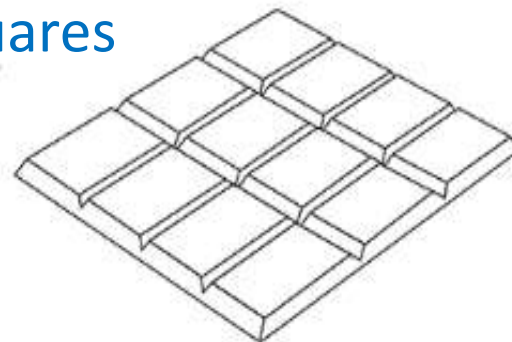
Lessons 1–2 **How we spend our time**

1 Match the words to the numbers and symbols.

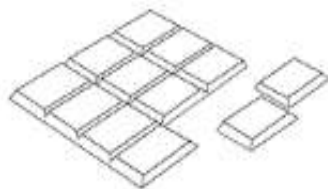
- | | |
|----------------------------------|------------------------|
| 1 per cent | a 45% |
| G 2 a quarter | b % |
| H 3 a half | c $\frac{3}{4}$ |
| A 4 less than half | d 0% |
| C 5 seventy-five per cent | e 98% |
| D 6 none | f 35% |
| F 7 just over a third | g $\frac{1}{4}$ |
| E 8 most | h 50% |
- 

2 How many squares are there in this chocolate bar? 12 squares

Work out how much of the bar is left in each of the following pictures. Write the fractions as words.

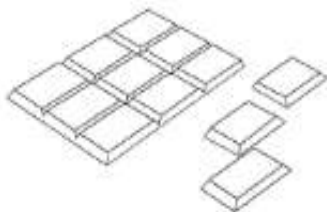


1



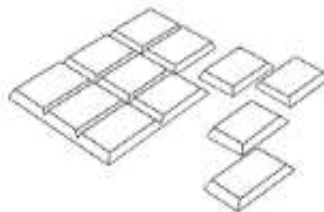
five-sixths

2



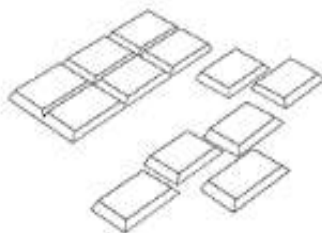
three-quarters

3



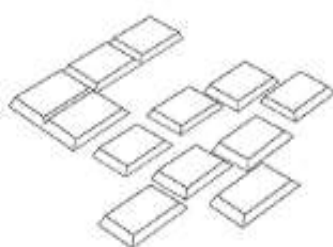
two-thirds

4



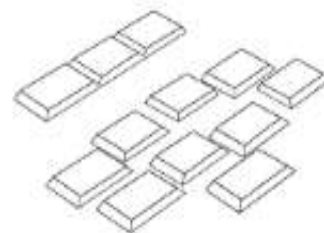
a half

5



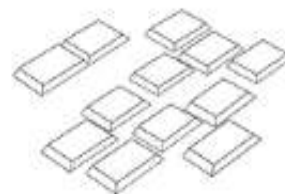
a third

6



a quarter

7



a sixth

Speaking

- 4 Work with a partner. Ask and answer the question in Activity 1. Make pie charts for you and your partner in your notebook.

Language tip

We can describe amounts by using *fractions* and *percentages*.

A *fraction* is a number that results from dividing one whole number by another, for example $\frac{1}{2}$ (one half), $\frac{2}{3}$ (two thirds), $\frac{3}{4}$ (three quarters).

We use *per cent* (shown by the symbol %) to describe a number out of every 100, for example 50% (= one half), 66.6% (= two thirds), 75% (= three quarters).

Lesson 2

Learning objectives :

Listening: To listen to questions about a typical day .

Speaking: To describe a typical day using fractions and percentages .

Reading: To read about a survey's results, using fractions and percentages .

Writing: To rewrite sentences using fractions and percentages.

Key vocabulary

Interview

Interviewee

Interviewer

riding a bike

Survey

computer games

Internet

Sewing

Baking

Typical

exercise



3 Write these fractions and percentages in words, to show how you would say them.

1 25% twenty-five per cent

2 $\frac{1}{3}$ _____

3 60% _____

4 $\frac{4}{5}$ _____

5 $\frac{2}{3}$ _____

6 95% _____

7 $\frac{3}{4}$ _____

8 $\frac{1}{10}$ _____

2 one third / a third

3 sixty per cent

4 four fifths

5 two thirds

6 ninety-five per cent

7 three quarters

8 one tenth / a tenth

Four hours of free time

How do young people really spend their free time? Watching TV? Riding a bike? Doing extra homework? In a recent survey, we asked 1,000 young people to tell us exactly what they do when they have four hours of free time.

Taking it easy

Most of the people we interviewed – over 90% – used the word 'relaxing' in their answers. Around a quarter of the interviewees play computer games, and over half relax by reading books, magazines or comics. Watching TV and using the Internet were very popular choices. Nearly three quarters of interviewees chose TV, and over 80% chose the Internet, as their favourite ways to spend free time.

Reading and Writing

Other ways of spending free time

Over 95% of the interviewees chose more than one activity, and some of their other choices are very interesting. Nearly 10% selected gardening as one of their top activities, and 19% – nearly a fifth – chose sewing! Baking is also a very popular activity. Around a third of the young people we interviewed chose making cakes as a great way to spend free time. We're not sure how much time they spend eating them, but we don't think that will take too long!

Reading and Writing

5 Read the article on the survey's results.

Are these statements true (T) or false (F)?

- 1** All of the interviewees used the word 'relaxing' in their answers.
- 2** Most chose playing computer games.
- 3** Most chose watching TV or using the Internet.
- 4** Nearly all chose more than one activity.
- 5** Over a quarter chose gardening.
- 6** More than a quarter chose baking.

1 F (most, over 90%)

2 F (around a quarter)

3 T

4 T

5 F (nearly 10%)

6 T

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6 Rewrite the sentences by changing the percentages to fractions and the fractions to percentages.

1 Over 90% included the word 'relaxing' in their answers.

Over nine tenths ($\frac{9}{10}$) included the word 'relaxing' in their answers.

2 Around *a quarter* of the interviewees play computer games, and over *half* relax by reading books, magazines or comics.

3 Nearly *three quarters* of interviewees chose TV.

4 Over 80% chose the Internet.

5 Nearly 10% selected gardening as one of their top activities.

6 Around *a third* of the young people we interviewed chose making cakes.

2 25% - 50%

3 75%

4 four fifths

5 one tenth / a tenth

6 33.3%

Speaking

7 Think about a typical day. How much time do you spend on each of the things you usually do? Work with a partner. Describe your typical day using fractions and percentages.

A: *I probably spend about a third of my day at school, and another third sleeping.*

B: *What do you do with the rest of the time?*

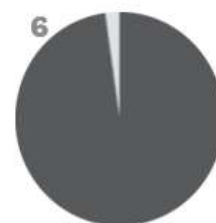
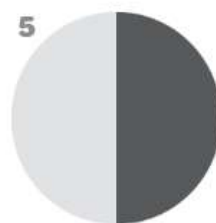
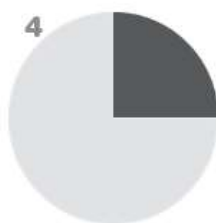
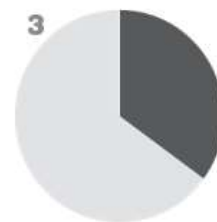
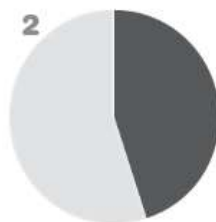
Vocabulary

interview (verb): to ask someone questions

interviewer (noun): the person who asks the questions

interviewee (noun): the person who answers the questions

- 4 Look at the pie charts and complete the sentences with some of the words from the first column in Activity 1.



- 1 I spend about seventy-five per cent of my free time watching TV.
- 2 I usually spend less than half of my leisure time doing things that I really want to do.
- 3 Many people spend just over a third of their lives sleeping.
- 4 I always spend a quarter of my lunch break doing my exercises.
- 5 It usually takes about a half a day to get to my cousin's house.
- 6 My sister spends most of her time studying.