

COMMUNICATION

Describing a graph

LEVEL

Upper-Intermediate
(B2)

NUMBER

EN_B2_2043X

LANGUAGE

English



Learning outcomes

- I can identify and describe different kinds of graphs.
- I can analyse a diagram or a graph using appropriate vocabulary.





Warm-up

What kinds of graphs are you familiar with?



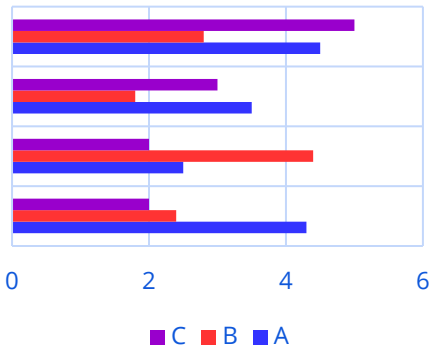
How often do you use graphs at work?



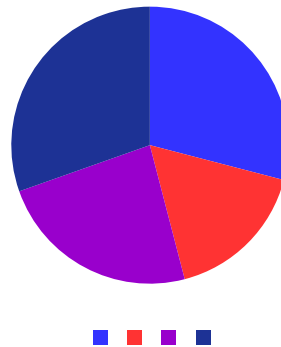
Matching

1. **Match** the visuals with their name.
2. Then **answer** the question in the pink box.

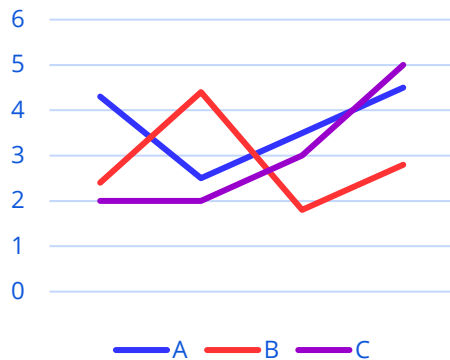
1



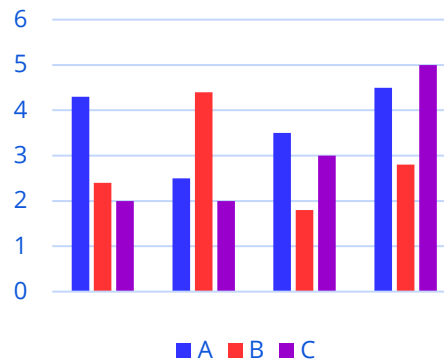
2



3



4



a line graph

b bar chart

c horizontal bar chart

d pie chart

How many of these graphs have you used before?



Categorise

1. **Read** the statements. 2. **Categorise** them into one of the pink boxes on the right. More than one answer may be possible.

- 1 Represents categories of data in segments.
- 2 Commonly used to show change in data over time.
- 3 Different vertical and horizontal bars differ in height or length depending on their value.
- 4 Utilises the x and y-axes.
- 5 Segments are valued in terms of percentages.
- 6 Each point on the graph represents a piece of data. The horizontal line represents the time that has passed.

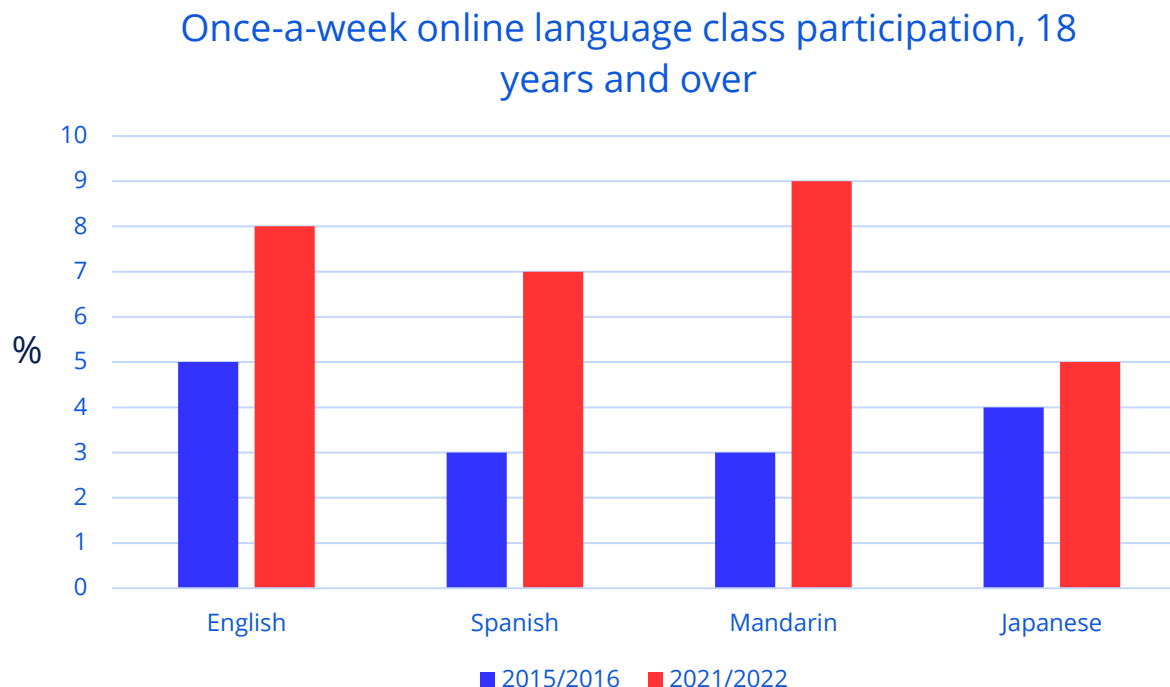
bar chart

pie chart

line graph

Describe the graph

1. **Analyse** the bar chart. 2. Are the sentences below *true* or *false*?



- 1. The data only shows information about people who take part in online language classes.
- 2. The data doesn't give information about children participating in online language classes.
- 3. The data shows every year between 2015 and 2022.
- 4. There was more online language class participation in 2021/2022 than in 2015/2016.



Reading

Read the text about the bar chart.

There has been an obvious change in the number of people wanting to learn languages online from 2015/2016 to 2021/2022.

Though there's been a slight increase in the number of people learning Japanese, Mandarin and Spanish have seen a significant increase in the number of learners. Interest in learning English online has also increased noticeably.

It may be interesting to broaden the scope of the study to include a wider range of languages such as French or German to see if there has been a slight, or even significant, decrease in online language learners.

Do you think there is another language whose percentage of online learners has risen significantly?





Complete the table

- 1. **Complete** the table below.
- 2. **Look at the previous slide** if you need help.

	Adjective	Noun
there's been a/an...	1. _____ /2. _____	increase
	obvious	3. _____
	4. _____ /5. _____	decrease
	Verb	Adverb
The number(s)/size	has/have increased	6. _____
	7. _____	significantly



The data shows information about people who **take part in** online language classes.

If you **take part in** something, you are involved in some activity with other people.

Look at the picture. What are the people **taking part in**?

Write sentences

1. Use the data below to **write** sentences.
2. Use the language from **slides 7-8**.

1 People learning German online: 2015/2016 = 3%;
2021/2022 = 9%.

2 People learning French online: 2015/2016 = 2%;
2021/2022 = 3%.

3 People learning Korean online: 2015/2016 = 4%;
2021/2022 = 12%.

4 People learning Italian online: 2015/2016 = 6%;
2021/2022 = 2%.



Ex.

*The number of people
learning German online has
increased significantly.*

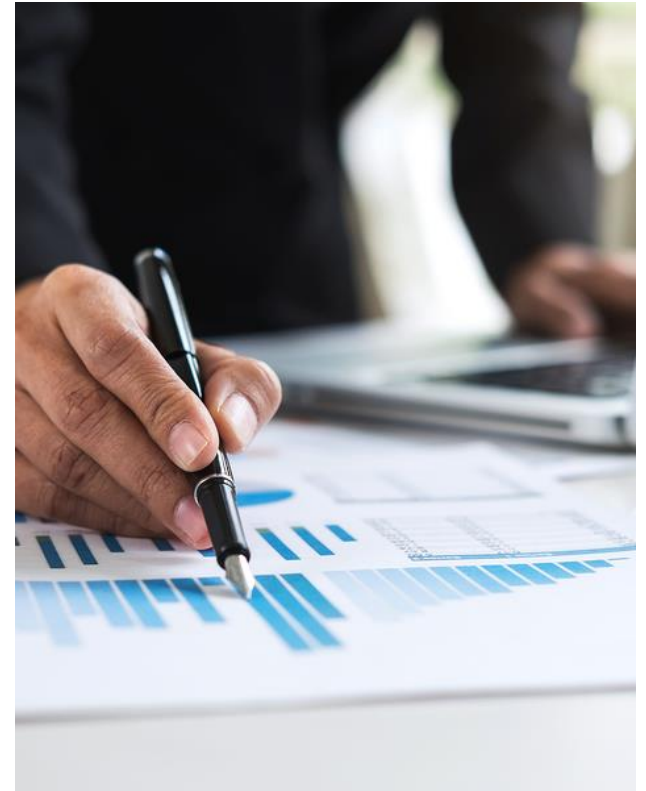


Discuss

Discuss the question below.

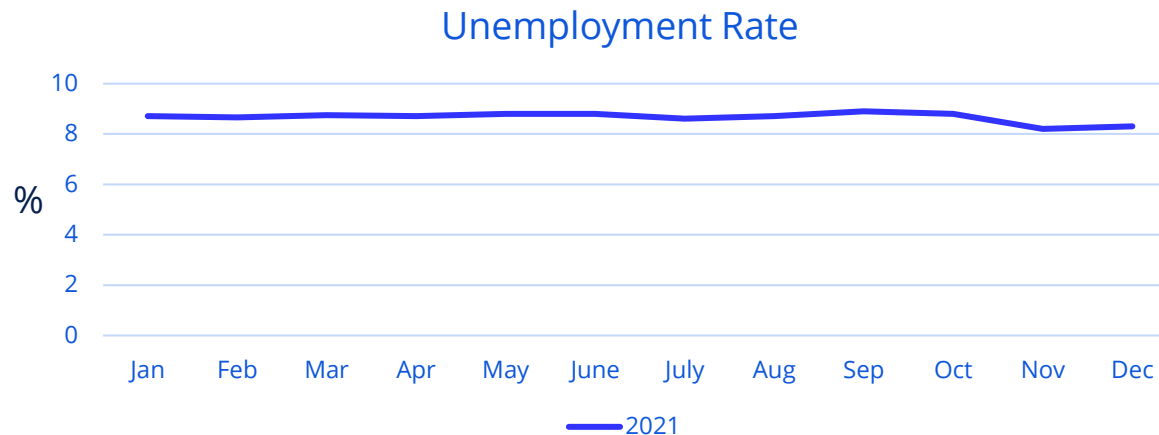
**How can a graph
be accurate but
misleading?**

**Share your thoughts with the
rest of the class!**





Compare the graphs



Is the information displayed in the graphs the same?



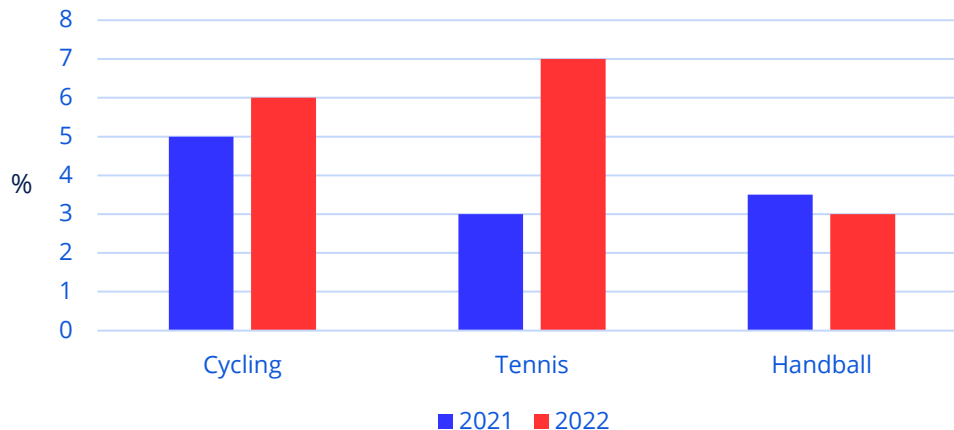
How are the graphs different?



Describe the graph

1. **Analyse** the bar chart.
2. **Describe** it as thoroughly as you can using the words and phrases in the boxes.

Once-a-week sport participation--top three sports at Main Street Sports Complex. 16 years and over.



slight/significant increase

obvious change

slight/significant decrease

Has/have increased/decreased noticeably

Has/have decreased or increased slightly/significantly

taking part in



End of the lesson

Idiom

at sixes and sevens

Meaning: in a state of total confusion

Example: After the meeting, we were all left at sixes and sevens.



Additional practice



Discuss

Answer the question below.

**Do you ever think
graphs or charts
are misleading?**

**Share your answer with the
rest of the class.**





Discuss

Answer the questions below.

Do you ever use graphs or charts outside of work?



**Can you think of an example of when you would use a pie chart?
A bar graph?**



Answer key

P.4: 1.) C 2.) d 3.) a 4.) b

P.5:

bar chart: 3, 4

pie chart: 1, 5

line graph: 2, 4, 6

P.6: 1.) True 2.) True 3.) False 4.) True

P.8: 1.) & 2.): slight/significant

3.) change

4.) & 5.): slight/significant

6.) noticeably

7.) risen

P.11: Suggested answers:

A graph can be misleading because it:

- cherry picks data
- is not properly labelled
- has a distorted scale
- has missing units/labels
- Ignores variables



Summary

Types of graphs

- *line graph; bar chart; horizontal bar chart; pie chart*
- *A **pie chart** shows data in segments.*
- *A **line graph** can depict increases and decreases visually.*

Data and graphs

- *data; bar; x-axis; y-axis; percentage; to take part in*
- *The **data** is in the bar chart.*
- *A large number of people **took part in** the survey.*

Describing a graph

- *There was a **slight** increase in the number of students.*
- *We saw a **significant** decrease in the number of people in face-to-face classes.*



Vocabulary

line graph

bar chart

horizontal bar chart

pie chart

data

bar

x-axis

y-axis

percentage

slight

significant

to take part in

