

Worksheet

Lesson 1 - Functions Unit

Activity 1

Think about the noise level in the classroom and, in pairs, answer the following questions:

- Is it a characteristic that can change?
- What values can it take?
- What do these values depend on?

Activity 2

Look at the images on the right. For each one:

- Identify two variables present in the situation depicted.
- Describe the possible values that these variables can take.
- Indicate whether one of the variables depends on the other.
- Explain how that variable changes when the other variable changes.



You can use the coffee example as a reference.



Variables

- Coffee temperature
- Time since served

Possible values

- $10^{\circ}\text{C}, 20^{\circ}\text{C}, \dots$
- $0, 5', 10', \dots$

One variable depends on the other?

The temperature of the coffee depends on how much time has passed since it was served.

How does that variable change when the other variable changes?

The temperature of the coffee decreases as time passes since it was served.