## Examples of Mathematics Items used in PISA 2022 Assessment

All PISA assessments are computer-based and utilise interactive elements to enhance students' testing experience.

## Unit: Triangular Pattern

In this unit's scenario, students are presented with a series of items related to a drawing a person has made of rows using alternating red and blue triangles. The stimulus shows the first four rows of the pattern, and this same image is repeated in the stimulus of all three items in the unit.

| Item 2 | Content Area | Change and Relationships |
| :--- | :--- | :--- |
|  | Process | Formulate |
|  | Difficulty | Level 2 |

PISA 2022,

## Unit: Solar System

In this unit's scenario, students need to determine which three planets have the average distances in Astronomical Units (au) between them that are shown in the model.

| Item 1 | Content Area | Quantity |
| :---: | :--- | :--- |
|  | Process | Interpret/Evaluate |
|  | Difficulty | Level 3 |



## Unit: Forested Area

Students are presented with some background information about the context of the unit - that the amount of forested area in a country can change over time.

| Item 1 | Content Area | Uncertainty and Data |
| :--- | :--- | :--- |
|  | Process | Formulate |
|  | Difficulty | Level 5 |



| Item 4 | Content Area | Uncertainty and Data |
| :--- | :--- | :--- |
|  | Process | Reasoning |
|  | Difficulty | Level 6 |



