

JSON Format Description for 11+ Assessments

The JSON format for 11+ assessments consists of several key elements structured to define the test's overall details, timing, and individual questions with their respective choices and correct answers. Below is a breakdown of each element:

Root Level

- **description:** (string) A brief description of the test. Example: "Forest School 11+ Maths."
- **max_time:** (integer) The maximum time allowed for the test in minutes. For Past Papers this will normally be indicated on the paper exam. If there is no maximum time indicated, estimate the time a strong candidate would take to complete and quickly review answers, usually either 30, 45, 60 or 90 minutes. Example: 60
- **questions:** (array) A list of question objects. Each object represents a single question in the test.

Question Object

Each question object contains the following properties:

- **question_type:** (integer) A numeric identifier for the type of question. This should be set to "1" (multiple choice) for all test questions for now. Example: 1
- **text:** (string) The text of the question. See formatting tags below, e.g: For line breaks within the text, use `{{nl}}`. Example: "Work out{{nl}}694+888"
- **explanation:** (string) An explanation of the correct answer, which can include tips or methods for solving the problem. Example: "First work out the area of the square: $10 \times 5 = 50\text{cm}^2$. Then work out the area of the triangle: $(6 \times 4)/2 = 12\text{cm}^2$. Finally add these figures together for the total area: $50 + 12 = 62\text{cm}^2$ "
- **choices:** (array) A list of choice objects, each representing a possible answer to the question.

Choice Object

Each choice object contains the following properties:

- **is_correct:** (boolean) Indicates whether the choice is the correct answer. Example: true or false

- **text:** (string) The text of the choice. Example: "1,582"
- **score:** (integer) The score awarded for selecting this choice. This field is only present if the choice is correct. It should be set to "1" for standard questions. Example: 1

Additional Fields

- **test_category_id:** (integer) A numeric identifier representing the category of the test. For past papers, always use "10". Example: 10
- **title:** (string) The title of the test. Example: "General 11+ maths sample test"

Example JSON:

```
{
  "description": "Forest School 11+ Maths.",
  "max_time": 60,
  "questions": [
    {
      "question_type": 1,
      "text": "Work out{\nl}}694+888",
      "explanation": "694+888 = 1,582. Candidates may use mental maths or pen and paper for these types of questions, though strong mental maths skills will usually help the candidate keep a better pace.",
      "choices": [
        {
          "is_correct": false,
          "text": "1,482"
        },
        {
          "is_correct": false,
          "text": "1,572"
        },
        {
          "is_correct": false,
          "text": "194"
        },
        {
          "is_correct": false,
          "text": "1,686"
        },
        {
          "is_correct": true,
          "score": 1,
          "text": "1,582"
        }
      ]
    },
    {
      "question_type": 1,
      "text": "Four bells ring at intervals of 2, 8, 7, and 11 seconds. If they start by all ring at the same time, how many seconds will pass before they all ring at the same time again?",
      "explanation": "To determine when all four bells will ring together again, calculate the least common multiple (LCM) of their ringing intervals. The LCM of 2, 8, 7, and 11 seconds is 616 seconds. A strong candidate should recognise that 2 will have all the common multiples of 8 and thus disregarding that. As such, in this case, the LCM can be found simply by multiplying the remaining numbers: 7 x 8 x 11 = 616",
      "choices": [
        {
```

```

        "is_correct": true,
        "score": 1,
        "text": "616 seconds"
    },
    {
        "is_correct": false,
        "text": "1232 seconds"
    },
    {
        "is_correct": false,
        "text": "154 seconds"
    },
    {
        "is_correct": false,
        "text": "308 seconds"
    },
    {
        "is_correct": false,
        "text": "728 seconds"
    }
] ],
"test_category_id": 9,
"title": "General 11+ maths sample test"
}

```

Note:

The questions": [(...)] array will repeat with all test questions and may be of any length from 1 question entry and up.

Guidelines for Contractors

1. **Ensure all required fields are populated:** Each test must have a description, max_time, questions, test_category_id, and title.
2. **Formatting tags:**

Formatting available:

{{small_ingress}}{{/small_ingress}}

This tag can be used for smaller fonts, e.g:

{{small_ingress}}Calculate this:{{/small_ingress}}{{nl}}10+20

{{h_list}}car|bus|lorry{{/h_list}}

This tag can be used for lists of options

Select the word that best matches these words:{{nl}}{{h_list}}car|bus|lorry{{/h_list}}

{{nl}}

Newline. E.g:

Line 1{{nl}}Line2

{{img_in_text[(width,height,object_fit)]}}

This will move an image into the text, rather than the usual position on the right hand side of the screen. E.g:

You are asked to plot these points on a grid and draw a line from one to the next, closing off the figure with a line back to the starting point.{{nl}}[2, 5], [6, 5], [4,

```
7]{{nl}}What is the most descriptive name for this  
shape?{{nl}}{{img_in_text(100,100,object_fit)}}
```

```
{{img_popover("Open Comprehension")}}
```

This tag will display a smaller image thumbnail than can be clicked to view a larger popup. This is particular suitable for images of large chunks of text for an English comprehension. E.g:

```
{{img_popover("Open Comprehension")}}{{small_ingress}}
```

Continuing with the same text (you can click to open it again):

```
{{/small_ingress}}
```

In the description of the barn, E.B. White uses a variety of adjectives to create a vivid image of the setting. Which of the following sets of words from the extract are adjectives that contribute to the description of the barn's atmosphere?

3. **Choices:** Each question should have multiple choice objects with at least one marked as `is_correct: true`. Correct choice must include a `score` field usually set to 1.
4. **Consistency:** Maintain consistency in question types and ensure explanations are clear and relevant.
5. **Images:** If an image is required for a question to make sense, you should take a cropped screenshot and send include a separate zipped folder of all images. The text part of the question must indicate the associated image. E.g:

From the JSON:

text: "[image_1.png] Calculate the total area of this shape"

Image file name: image_1.png

By following this structure, contractors can provide well-formatted JSON files that integrate seamlessly with your system.