```html
<!DOCTYPE html> <html lang="en">
<head> <meta charset="UTF-8">
<title>Kids Math Game</title> <meta
name="viewport"
content="width=device-width, initial-
scale=1.0"> <link rel="manifest"
href="manifest.json"> <link
rel="stylesheet" href="style.css"> </
head> <body> <h1>🧮 Math Fun</h1> <h2
id="question">1 + 1 = ?</h2> <div
id="answers"></div> <p>Score: <span
id="score">0</span></p>
<button onclick="nextQuestion()">Next</
button>

<audio id="correctSound"
src="correct.mp3"></audio>
<audio id="wrongSound"
src="wrong.mp3"></audio>

<script src="script.js"></script> <script>
```

```javascript
if ('serviceWorker' in navigator) {
navigator.serviceWorker.register('sw.js');
} </script> </body> </html>

let score = 0;
let correctAnswer = 0;

const questionEl =
document.getElementById("question");
const answersEl =
document.getElementById("answers");
const scoreEl =
document.getElementById("score");
const correctSound =
document.getElementById("correctSound");
const wrongSound =
document.getElementById("wrongSound");

function generateQuestion() {
answersEl.innerHTML = "";
```

```javascript
let a = Math.floor(Math.random() * 10);
let b = Math.floor(Math.random() * 10);
correctAnswer = a + b;

questionEl.innerText = ${a} + ${b} = ?;

let options = [correctAnswer,
correctAnswer + 1,
correctAnswer - 1,
correctAnswer + 2];

options.sort(() => Math.random() - 0.5);

options.forEach(num => {
const btn =
document.createElement("button");
btn.innerText = num;
btn.onclick = () => checkAnswer(num);
answersEl.appendChild(btn);
});
}
```

```javascript
function checkAnswer(answer) {
if (answer === correctAnswer) {
score++;
correctSound.play();
} else {
wrongSound.play();
}
scoreEl.innerText = score;
generateQuestion();
}

function nextQuestion() {
generateQuestion();
}

generateQuestion();

{
"name": "Kids Math Game",
"short_name": "MathFun",
"start_url": ".",
"display": "standalone",
```

```
  "background_color": "#f0f8ff",
  "theme_color": "#2196f3",
  "icons": [
  { "src": "icon-192.png", "sizes":
  "192x192", "type": "image/png" },
  { "src": "icon-512.png", "sizes":
  "512x512", "type": "image/png" }
  ]
}

body {
text-align: center;
font-family: Arial, sans-serif;
background: #f0f8ff;
}

h1 {
font-size: 32px;
}

button {
font-size: 20px;
padding: 10px 20px;
```

```
  margin: 10px;
}

#answers button {
display: block;
width: 200px;
margin: 10px auto;
}

self.addEventListener("fetch", () => {});
```