Fixing Link Preview (Share Card) Issue

The Problem

When sharing your Sums link, it shows:

- "Sums: ? = undefined | 1:52"

- No preview image

- Generic or broken description

The Fix

1. Update index.html

Replace your `public/index.html` with the new one provided. Key changes:

```html
html

<!-- Primary Meta Tags -->
<meta name="title" content="Sums - Daily Number Puzzle Game" />
<meta name="description" content="Play Sums: Build number chains by selecting adjacent numbers that add up to the next n

<!-- Open Graph / Facebook -->
<meta property="og:title" content="Sums - Daily Number Puzzle Game" />
<meta property="og:description" content="Play Sums: Build number chains..." />
<meta property="og:image" content="%PUBLIC_URL%/og-image.png" />

<!-- Twitter -->
<meta property="twitter:card" content="summary_large_image" />
<meta property="twitter:title" content="Sums - Daily Number Puzzle Game" />
```

2. Create Open Graph Image

You need a preview image for social media sharing.

Image Requirements:

- **Size:** 1200×630 pixels (Facebook/Twitter standard)

- **Format:** PNG or JPG

- **File name:** `og-image.png`

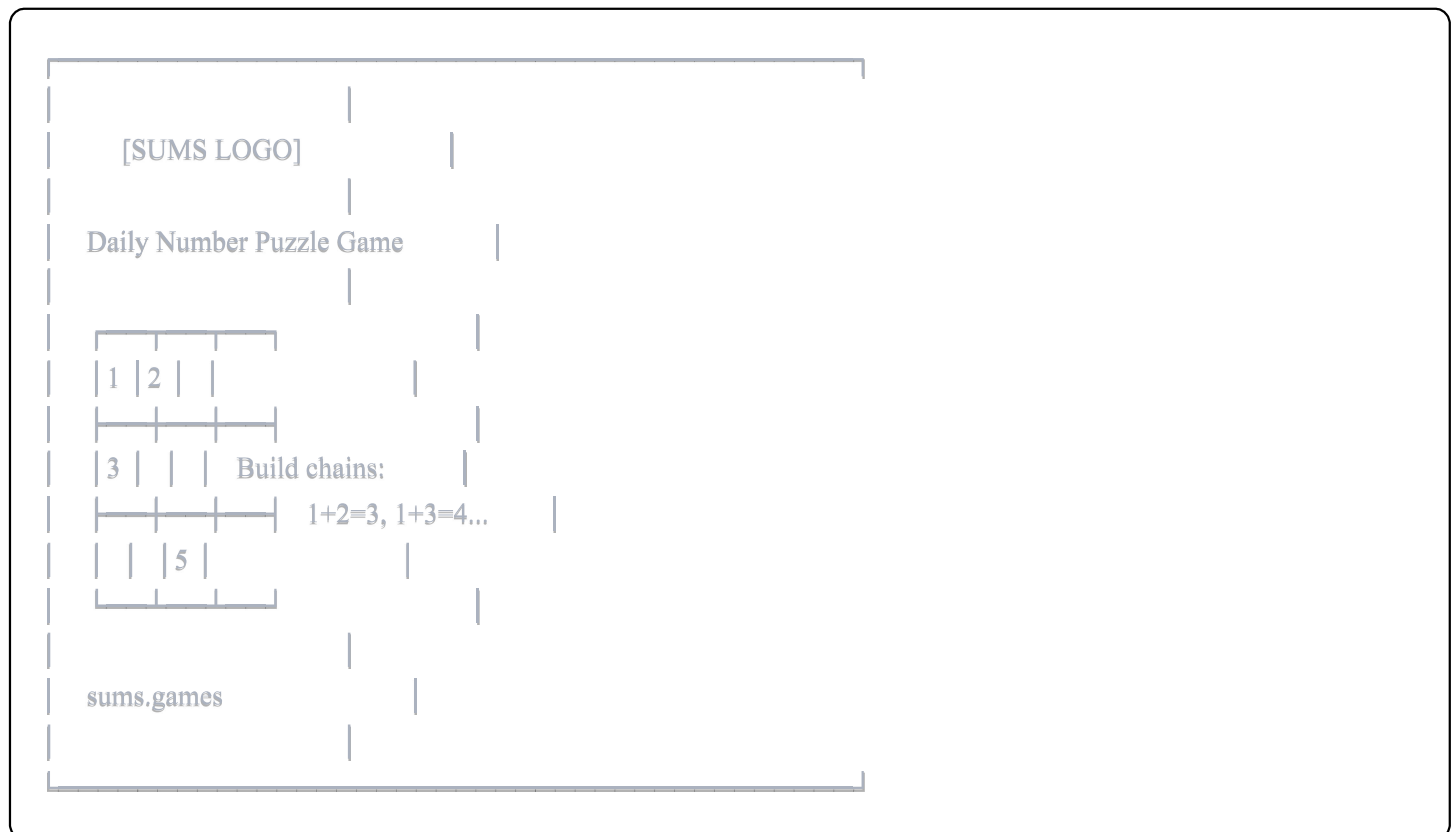- **Location:** `public/og-image.png`

What to include in the image:

- Your SUMS logo prominently

- Game name: "SUMS"

- Tagline: "Daily Number Puzzle Game"

- Maybe a sample grid showing 1→2→3→4

- Clean, simple design with good contrast

Quick creation options:

1. **Canva**: Use their "Facebook Post" template (1200×630)

2. **Figma**: Create 1200×630 frame

3. **Photoshop/GIMP**: Design from scratch

4. **Online tools**: https://www.opengraph.xyz/ (has templates)

3. Example Design Layout

```
┌──────────────────────────────┐
│              │               │
│   [SUMS LOGO]          │     │
│              │               │
│  Daily Number Puzzle Game   │ │
│              │               │
│  ┌───┬───┬───┐          │    │
│  │ 1 │ 2 │   │        │      │
│  ├───┼───┼───┤        │      │
│  │ 3 │   │   │  Build chains: │  │
│  ├───┼───┼───┤    1+2=3, 1+3=4...  │
│  │   │   │ 5 │        │      │
│  └───┴───┴───┘        │      │
│              │               │
│  sums.games          │       │
│              │               │
└──────────────────────────────┘
```

4. Update manifest.json (optional but recommended)

Location: `public/manifest.json`

```json
json
```

```json
{
  "short_name": "Sums",
  "name": "Sums - Daily Number Puzzle Game",
  "icons": [
    {
      "src": "favicon.ico",
      "sizes": "64x64 32x32 24x24 16x16",
      "type": "image/x-icon"
    },
    {
      "src": "logo192.png",
      "type": "image/png",
      "sizes": "192x192"
    },
    {
      "src": "logo512.png",
      "type": "image/png",
      "sizes": "512x512"
    }
  ],
  "start_url": ".",
  "display": "standalone",
  "theme_color": "#303036",
  "background_color": "#ffffff"
}
```

5. Test Your Changes

After making changes:

1. **Deploy/build your site**

```bash
npm run build
```

2. **Test with debugging tools:**

- **Facebook**: https://developers.facebook.com/tools/debug/

- **Twitter**: https://cards-dev.twitter.com/validator

- **LinkedIn**: https://www.linkedin.com/post-inspector/

- **General**: https://www.opengraph.xyz/url/

3. **Clear cache if needed:**

- Facebook debugger has a "Scrape Again" button

- Twitter may take a few minutes to update

- iMessage/other apps cache heavily - may need time

6. Why "? = undefined" was showing

The old preview was trying to read your page title dynamically, which was pulling from JavaScript that hadn't loaded yet. The meta tags fix this by providing static content that scrapers can read immediately.

Quick Checklist

☐ Updated `public/index.html` with new meta tags
☐ Created `public/og-image.png` (1200×630)
☐ Updated URL in meta tags to your actual domain
☐ Built and deployed
☐ Tested with Facebook debugger
☐ Cleared cache/scraped again

Result

After fixing, your link preview will show:

- **Title:** "Sums - Daily Number Puzzle Game"

- **Description:** "Play Sums: Build number chains..."

- **Image:** Your custom preview image

- **URL:** sums.games

Much more professional! 🎯

Need Help Creating the Image?

If you want, I can help you create the og-image.png using HTML/CSS that you can screenshot, or provide more specific design suggestions based on your branding!