

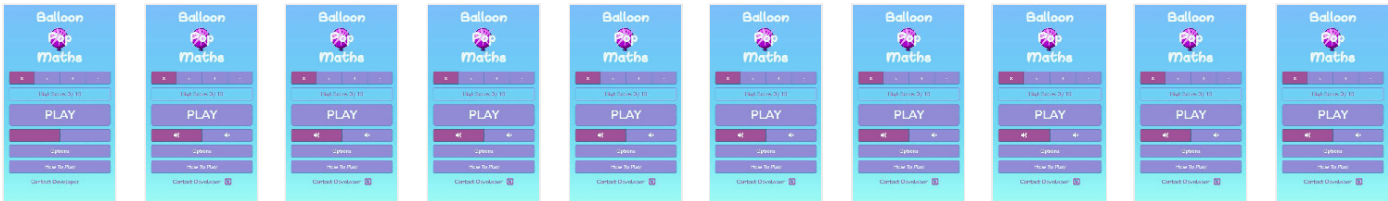
Performance

Metrics

First Contentful Paint	1.8 s	Time to Interactive	4.1 s
Speed Index	1.9 s	Total Blocking Time	120 ms
Largest Contentful Paint	3.0 s	Cumulative Layout Shift	0.099

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator](#).

View Original Trace



Opportunities — These suggestions can help your page load faster. They don't [directly affect](#) the performance score.

Opportunity	Estimated Savings
▲ Eliminate render-blocking resources	1.04 s
Remove unused JavaScript	0.21 s

Diagnostics — More information about the performance of your application. These numbers don't [directly affect](#) the performance score.

▲ Ensure text remains visible during webfont load	▼
▲ Serve static assets with an efficient cache policy — 18 resources found	▼
Avoid chaining critical requests — 20 chains found	▼

Keep request counts low and transfer sizes small — 33 requests • 1,466 KiB	▼
Largest contentful paint element — 1 element found	▼
Avoid large layout shifts — 5 elements found	▼
Avoid long main-thread tasks — 2 long tasks found	▼
Passed audits (28)	▼



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Contrast — These are opportunities to improve the legibility of your content.

▲ Background and foreground colours do not have a sufficient contrast ratio.	▼
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Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#). ▼

Passed audits (17)	▼
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Not applicable (26)	▼
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Best Practices

Trust and safety

▲ Includes front-end JavaScript libraries with known security vulnerabilities — 3 vulnerabilities detected	▼
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Passed audits (16)	▼
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Not applicable (1)	▼
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SEO

These checks ensure that your page is optimised for search engine results ranking. There are additional factors that Lighthouse does not check that may affect your search ranking. [Learn more.](#)

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices. ▼

Passed audits (12) ▼

Not applicable (2) ▼



progressive web app

These checks validate the aspects of a progressive web app. [Learn more.](#)

Installable

▲ Web app manifest does not meet the installability requirements — 1 reason ▼

PWA Optimised

▲ Does not register a service worker that controls page and `start_url` ▼

Redirects HTTP traffic to HTTPS ▼

▲ Is not configured for a custom splash screen Failures: No manifest was fetched. ▼

▲ Does not set a theme colour for the address bar.
Failures: No manifest was fetched, No ``<meta name="theme-color">`` tag found. ▼

Content is sized correctly for the viewport ▼

Has a `<meta name="viewport">` tag with `width` or `initial-scale` ▼

▲ Does not provide a valid `apple-touch-icon` ▼

▲ Manifest doesn't have a maskable icon No manifest was fetched ▼

Additional items to manually check (3) — These checks are required by the baseline [PWA checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually. ▼

Runtime settings

URL	https://richardhenyash.github.io/balloon-pop-maths/
Fetch time	29 Mar 2021, 11:13 BST
Device	Emulated Moto G4
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.90 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory power	2487
Axe version	4.1.1

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