



Performance






Accessibility



Best Practices









SEO

Progressive
Web App 0-49  50-89  90-100

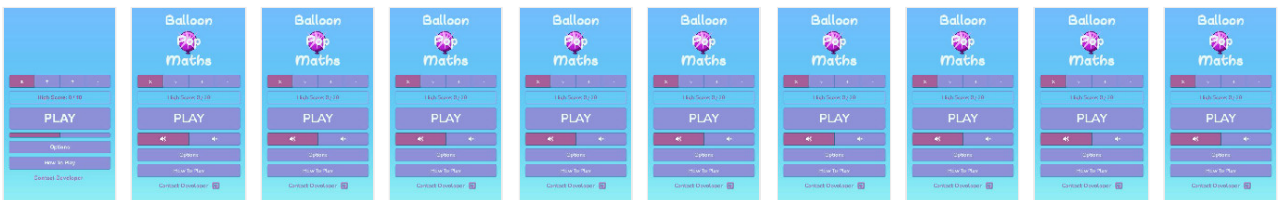
Performance

Metrics









 First Contentful Paint	2.6 s	 Time to Interactive	4.7 s
 Speed Index	2.6 s	 Total Blocking Time	250 ms
 Largest Contentful Paint	4.8 s	 Cumulative Layout Shift	0.099

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



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

Opportunity	Estimated Savings
▲ Serve images in next-gen formats	 3 s ▼
▲ Eliminate render-blocking resources	 1.82 s ▼
■ Properly size images	 0.45 s ▼
■ Minify JavaScript	 0.3 s ▼
■ Remove unused JavaScript	 0.3 s ▼
■ Remove unused CSS	 0.15 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 — 23 resources found	▼
● Avoid chaining critical requests — 20 chains found	▼
● Keep request counts low and transfer sizes small — 38 requests • 1,653 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 (23) ▼

95

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 colors do not have a sufficient contrast ratio. ▼

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

▲ Links do not have a discernible name ▼

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 (16) ▼

Not applicable (26) ▼



Best Practices

Trust and Safety

- ▲ Links to cross-origin destinations are unsafe ▼
- ▲ Includes front-end JavaScript libraries with known security vulnerabilities — 3 vulnerabilities detected ▼

User Experience

- ▲ Displays images with incorrect aspect ratio ▼

Passed audits (14)

Not applicable (1)



SEO

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

Content Best Practices — Format your HTML in a way that enables crawlers to better understand your app's content.

- ▲ Document does not have a meta description ▼

Additional items to manually check (1) — Run these additional validators on your ▼

site to check additional SEO best practices.

Passed audits (11)





Not applicable (2)















Progressive Web App

These checks validate the aspects of a Progressive Web App. [Learn more](#).

Installable

-  Web app manifest or service worker do not meet the installability requirements — 
1 reason

PWA Optimized

-  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 color 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	Mar 29, 2021, 9:10 AM GMT+1
Device	Emulated Moto G4
Network throttling	Unknown
CPU throttling	Unknown
Channel	lr
User agent (host)	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) HeadlessChrome/88.0.4324.202 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	1387

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