



Jar Jar's Ruination Rule



COMPLETE TO COLLECT

Tumbled Agate

Level 2 · 3 Glints

THE PROBLEM

In *Star Wars*, Jar Jar Binks is a character. A wildly dramatic review droid uses **made-up screen-time estimates** for a four-movie marathon. Use only the numbers in the table; no *Star Wars* knowledge is needed.

The droid calls a movie “**ruined**” when Jar Jar’s screen time is **more than one tenth** of the movie’s runtime.



THE DROID’S MADE-UP NOTES

Movie	Runtime	Jar Jar time
<i>The Phantom Menace</i>	120 min	13 min
<i>Attack of the Clones</i>	140 min	14 min
<i>Revenge of the Sith</i>	130 min	8 min
<i>A New Hope</i>	120 min	0 min

QUESTIONS

Use separate paper for your solution.

- Find **one tenth** of each movie’s runtime. List the four threshold times in table order.
- Under the droid’s “**more than one tenth**” rule, which movies are ruined? How many movies is that?
- Another droid changes the rule to “**at least one tenth.**” Which movie changes classification, and how many movies now count as ruined? Explain why.

