Let's break down the calculations for both the Perf Test (PT) and User Acceptance Testing (UAT) environments:

**Perf Test (PT) Environment:** Assumptions:

* Each task or job requires 2 days to finish.
* There are 2 tasks occurring daily.

1. Task Duration: 2 days per task
2. Number of Tasks/Day: 2 tasks per day

Monthly Calculation:

* Task-days per month = 2 tasks/day \* 30 days/month = 60 task-days
* Calculate total task seconds by multiplying the task-days by the average task duration.
* Determine the compute cost by multiplying the total task seconds by the vCPU and memory pricing.
* Include any additional costs for ephemeral storage.

**User Acceptance Testing (UAT) Environment:** Assumptions:

* Each task or job takes 1 day to complete.
* There are 8 tasks occurring daily.

1. Task Duration: 1 day per task
2. Number of Tasks/Day: 8 tasks per day

Monthly Calculation:

* Task-days per month = 8 tasks/day \* 30 days/month = 240 task-days
* Calculate total task seconds by multiplying the task-days by the average task duration.
* Determine the compute cost by multiplying the total task seconds by the vCPU and memory pricing.
* Include any additional costs for ephemeral storage.

Explanation: "In the Perf Test environment, where real-world usage is simulated, we execute 2 tasks daily, each taking 2 days to complete, resulting in a total of 60 task-days per month. In the more intensive User Acceptance Testing (UAT) environment, where 8 tasks are performed daily, there are a total of 240 task-days in a month."