

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Gaming plans**

A gaming platform offers two plans. The NPC plan has a \$15 registration fee, and costs \$10/month after that. The Hero plan has a \$75 registration fee, and costs \$5/month after that.

Which plan is cheaper if you're only going to use your account for a few months? Which plan is cheaper if you're going to use it for a few years? If two people choose different plans, at what point will they both have paid the same total amount?

*Show your work, and write your answer in a complete sentence.*