##### Scooter Rentals

Electric scooters have become popular in certain cities. On a recent visit to California, Maya noticed that a number of companies offer electric scooter rentals for different costs. The scooters unlock using a free app and charge per minute until the scooter is locked again within the app.

Go! scooters cost $2 to unlock and cost 5 cents per minute to ride.

Breeze scooters cost 50 cents unlock and cost 15 cents per minute to ride.

Part 1

How many minutes would you have to use a Breeze scooter before using a Go! scooter would save you money?

What other factors would you take into consideration when choosing one scooter over another?

Part 2

You are starting a third company (Twist) to compete with both Go! and Breeze. You want the cost for Twist to cost the same as the other companies at 15 minutes, but attract more customers.

Create a scooter plan for Twist that costs the same as Breeze and Go! at 15 minutes but which you think will attract more customers. Explain your reasoning.

Other factors

* Each partial minute is rounded to the next highest whole minute.
* The Go! app requires a starting balance of at least $10. The Breeze app charges the user once the ride is finished.
* Both scooters have electric motors. Go! scooters can go up to 15 mps. Breeze scooters can go up to 20 mph.
* Go! scooters have a range of 25 miles. Breeze scooters have a range of 40 miles.
* Go! scooters have better shock absorbers.
* Breeze scooters are taller and heavier.
* Another company (Bound) rents electric bikes at $2 for the first half-hour and 7 cents per minute after that.