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Achii	les	and	tne	tortoise

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Name:	Per:

Achilles is arrogant and boasted widely that he could beat the village tortoise in a race. In fact, he was so confident in his abilities that he gave the tortoise a mile head start (5280 feet). Fortunately for Achilles, the tortoise could only manage to move 12.3 feet per minute, while he could run a mile in 8 minutes. How long did it take Achilles to catch up? How far does the race need to be for Achilles to win?

- 1. Write Achilles speed as a fraction.
- 2. Convert Achilles speed to feet per minute.
- 3. Complete the table for the labelled times below.
- 4. Add more times to the table to find when Achilles catches up to the tortoise.

Distance from the where Achilles started

Time	Achilles	Tortoise	
Start (0 minutes)			
1 minute			
2 minutes `			
5 minutes			
10 minutes			
		`	

5. How long did it take Achilles to catch up?

6. How far does the race need to be for Achilles to win?