Problem:

It takes a canoe paddler 1 minute and 20 seconds to paddle a 300 meter course in the direction of the current, when paddling at a constant speed. If the current moves at a rate of 1.5 meters per second, then how fast can the paddler paddle in still water?

How did you get your answer? Use words.

Larry says that if a feather starts floating down the course just as the paddler begins paddling, it'll reach the end 2 minutes after the canoe crosses the finish line. Is he right or wrong?

Find all correct answers based on the original problem.

a) After 30 seconds, the paddler has paddled $37\frac{1}{2}$% of the course.

b) After 45 seconds, the paddler has paddled $56\frac{1}{4}$% of the course.

c) After 1 minute, the paddler has paddled $66\frac{1}{3}$% of the course.

If the paddler paddles the same course in the opposite direction, against the current, how long will it take him?

DATE

NAME