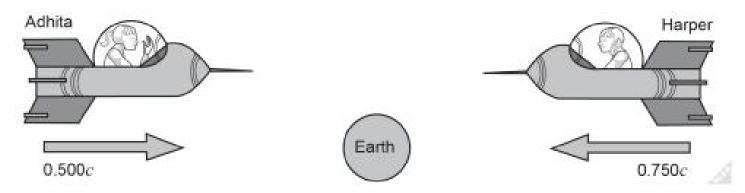
Two spaceships, captained by Adhita and Harper, are travelling toward each other. They are observed by a person on the Earth to be travelling at the velocities shown in the diagram. Take all velocities to the left as positive.



(a)	Calculate the velocity	of Harner as measur	ed by Adhita
1007	Contradicto are releasing	or realpor do modelos	order to your restaurance.

(4 marks)

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(b) Harper fires a missile with a velocity of 0.600c with respect to her in the direction of Adhita. Calculate the velocity of the missile as measured by an observer on the Earth. (4 marks)

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(c) Calculate the velocity of the missile as measured by Adhita.

(4 marks)