

Name: _____ Date: _____

Math problem on motion

Today we will check your knowledge on the topic of motion problems

transport	hour	speed	distance
bus	4	56	
airplane	5		4250
truck		50	350
moped		43	129
bicycle	2		34
motorboat	3	45	



The motorboat covered 8 km on the lake in 40 minutes, and 42 km on the river in 2 hours, while the boat's motor was working with the same power throughout. Find the speed of the river current

$8 \text{ km} = \text{ } \text{ m}$

$42 \text{ km} = \text{ } \text{ m}$

$2 \text{ h} = \text{ } \text{ min}$

The speed at which the boat moved on the lake is

The speed at which the boat moved on the river is

The speed of the river is

The answer is

From points A and B, which are 60 km apart, two drones flew towards each other simultaneously. One flew at a speed of 120 km/h, while the other flew at 80 km/h. When will the drones be above the same object?

The answer is min