

	Rete	tin	10:0€	hours. It takes his	mother 6 hours to	make the sam	college in Chicago in 4.5 ne drive. Jeremy drives	
J	Xtza	4.5	4.504	mother's speed.	faster than his mo	ther. Find Jere	emy's speed and his $G_X = 4.5(x+2)$ $G_X = 4.5 \times 4.9$	
H	.,	0.00		Jeremy	man		1 115.16	
M	X	6	Cex	4.5(x+20)	6×		6x = 4.5x + 4	
\Box				/-01		1.5x = 90		
				80 mph	60 mph		X=40	
	omyh fester	Rei 1.5h	lho R	hours while his par average speed was	nes to celebrate hi rents drove 1 hour s 10 miles per hou re the average spe	s mother's birt to get to the r r faster thatn h	hday. Chris drive 1.5	
\vdash		115		Ī	Rate	· Time	= Distance	
		18302 - 1 20 04		Parents	×	1	×	
				Chris	X +10	1.5	1.5(x+10)	
		c	arents hris	40 mph 50 mph	X+1.5x 2.5x+1	(x+10)=11 +15=115 15=115 x=100	250	
,:c		y hr	Bro 15 mg/ Fuster	Carrie is driving from her home in Anaheim to Berkeley on the same day here brother is driving from Berkeley to Anaheim, so they decide to meet for lunch along the way in Buttonwillow. The distance from Anaheim to Berkeley is 410 miles. It takes Carrie 3 hours to get to Buttonwillow, while her brother drives 4 hours to get there. The average speed Carrie's brother drove was 15 miles per hour faster than Carrie's average speed. Find				
C	erric	X+18	3 3	ļ	A-000 11 00 A-000-000		O Carrie	
1		Yus	4 4/	1,,,		60 = 410	B10 -	
B	10	V-110	7 10	1113)	7x=	350		

When Katie walks to school, it takes her 30 minutes. If she rides her bike, it takes her 15 minutes. Her speed is three miles per hour faster when she rides her bike than when she walks. What are her walking speed and her speed riding her bike?

$$\frac{1}{2}x = \frac{1}{4}(x+3)$$

$$\frac{x}{2} = \frac{x}{4} + \frac{3}{4}$$

Ryan takes 45 minutes to drive his boat upstream from the dock to his favorite fishing spot. It takes him 30 minutes to drive the boat back downstream to the dock. The boat's speed going downstream is four miles per hour faster than its speed going upstream. Find the boat's upstream and downstream speeds.

Suzy takes 50 mintes to hike uphill from the parking lot to the lookout tower. It takes her 30 minutes to hike back down to the parking lot. Her speed going downhill is 1.2 miles per hour faster than her speed going uphill. Find Suzy's uphill and downhill speeds.