

## Calculate the Unknown time when all you are given is a Speed Change

Dist	A Speed	Rally Schedule	Time hrs, min, sec
10.00	65	Start	
10.20	65	Sign CS	
<b>Dist A</b>	<b>Speed 1</b>	Windmill	<b>Time A</b>
	65		
	<b>Speed 2</b>	Change speed	<b>Unknown time</b>
<b>Dist B</b>		Sign END	<b>Time B</b>

Time unknown = distance covered (km) \* 3600 +/- time difference (second) multiplied by the last speed (km/h) all divided by the difference in speeds (km/h).

	Dist B	Dist A	Dist B - A		<b>X 3600 =</b>	<b>Result 1</b>
<b>Dist</b>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>

	Minutes	Seconds		Seconds	<b>B - A</b>	<b>Speed 2</b>	
<b>B</b>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	Min* 60 +sec	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<b>X</b>	
					Seconds	km/h	<b>Result 2</b>
<b>A</b>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	Min* 60 +sec	<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>

	Speed 1	Speed 2		Speed diff.		<b>x 60 =</b>	<b>Result 3</b>
<b>Speed</b>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	higher - lower	<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>

Subtract the larger of Result 1 or 2 from the smaller

Formula =  $\frac{\text{Result 1/2} - \text{Result 2/1}}{\text{divide by Result 3}}$  =

**Decimal Minutes**

Multiply the fraction of the decimal minutes by 60 =

**Seconds**

	Minutes	Seconds
Time A	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Formula time	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Time A + Formula time = Unknown Time =	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>