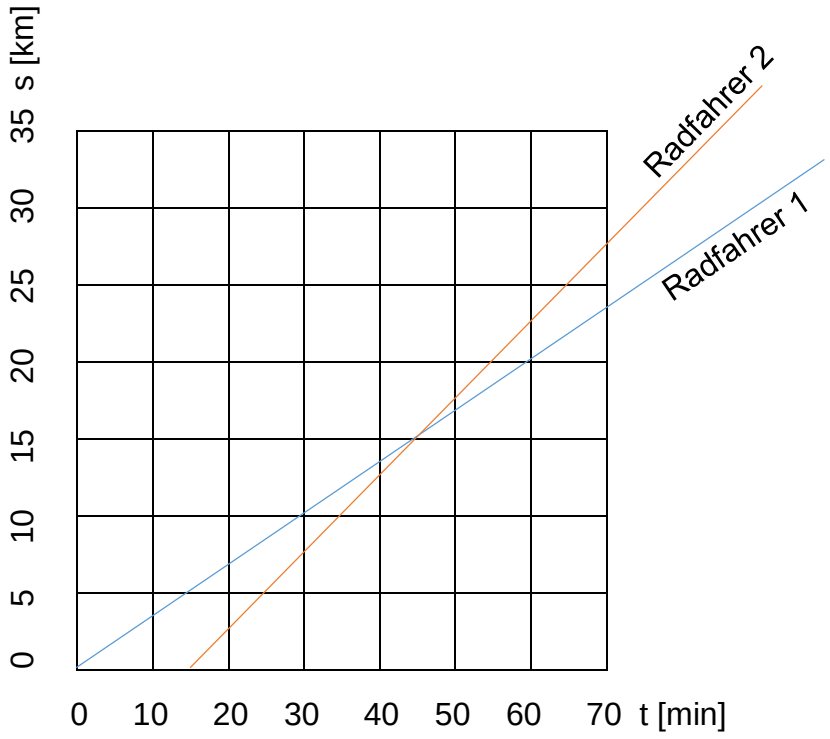
2.

Abfahrt: 9:57	t = Ankunft – Abfahrt	$v = \frac{s}{t}$
Ankunft: 10:12	t = 10:12 – 9:57	v = 112 km/h = 31,11 m/s
s = 28 km	t = 9:72 – 9:57	
v = 31,11 m/s	t = 0:15 min = 0,25 h	

3.

Radfahrer 1:	s = v * t	$s = v_1 * t$
v_1 = 20 km/h	$v_1 * t = v_2 * (t - t_2)$	s = 20 * 0,75
Radfahrer 2:	20 t = 30 t – 7,5	s = 15 km
v_2 = 30 km/h	7,5 = 10 t	
t_2 = 15 min = 0,25 h	t = 0,75 h = 45 min	
s = 15 km		
t = 45 min		

Grafische Lösung:



4.

t = 2 h	s = v * t
v = 120 km/h	s = 240 km
s = 240 km	

5.

s = 150 km

v_1 = 80 km/h

v_2 = 100 km/h

t_1 = 1 h 52 min 30 s

t_2 = 1 h 30 min

Δt = 22 min 30 s

$t_1 = \frac{s}{v}$

t_1 = 1,875 h = 1 h 52 min 30 s

$t_2 = \frac{s}{v}$

t_2 = 1,5 h = 1 h 30 min

Δt = $t_1 - t_2$

Δt = 22 min 30 s

6.

s = 120 km

t = 2,5 h

v = 48 km/h; 13,33 m/s

$v = \frac{s}{t}$

v = 48 km/h = 13,33 m/s

7.

v = 123 km/h

t = 2,25 h

s = 276 km 750 m

s = v * t

s = 276,75 km = 276 km 750 m

8.

s = 8,7 km

t = 15 min = 0,25 h

v = 34,8 km/h

$v = \frac{s}{t}$

v = 34,8 km/h

9.

s = 30 km

v = 120 km/h

t = 15 min

$t = \frac{s}{v}$

t = 0,25 h = 15 min

10.

t = 0,5 h

v = 15 km/h

s = 7,5 km

s = v * t

s = 7,5 km

11.

t = 2,5 h

s = 25 km

v = 10 km/h

$v = \frac{s}{t}$

v = 10 km/h
