



Speed - Person in Train - Solve for Person Speed

1 A person on a 120 m long train that is going 10 m/s walks from the back to the front while the train goes 200 m. What is the person's speed relative to the ground?

A	B	C
16 m/s	9 m/s	36 m/s
D		
41 m/s		

2 A person on a 180 m long train that is going 5 m/s walks from the back to the front while the train goes 225 m. What is the person's speed relative to the ground?

A	B	C
24 m/s	6 m/s	9 m/s
D		
29 m/s		

3 A person on a 90 m long train that is going 9 m/s walks from the back to the front while the train goes 270 m. What is the person's speed relative to the ground?

A	B	C
8 m/s	37 m/s	22 m/s
D		
12 m/s		

4 A person on a 140 m long train that is going 7 m/s walks from the back to the front while the train goes 245 m. What is the person's speed relative to the ground?

A	B	C
11 m/s	36 m/s	5 m/s
D		
31 m/s		

5 A person on a 130 m long train that is going 5 m/s walks from the back to the front while the train goes 50 m. What is the person's speed relative to the ground?

A	B	C
33 m/s	38 m/s	43 m/s
D		
18 m/s		

6 A person on a 180 m long train that is going 6 m/s walks from the back to the front while the train goes 270 m. What is the person's speed relative to the ground?

A	B	C
15 m/s	10 m/s	35 m/s
D		
5 m/s		

7 A person on a 80 m long train that is going 9 m/s walks from the back to the front while the train goes 90 m. What is the person's speed relative to the ground?

A	B	C
17 m/s	8 m/s	42 m/s
D		
27 m/s		

8 A person on a 160 m long train that is going 10 m/s walks from the back to the front while the train goes 100 m. What is the person's speed relative to the ground?

A	B	C
26 m/s	31 m/s	46 m/s
D		
51 m/s		