



Speed - Person in Train - Solve for Person Speed

1 A person on a 40 m long train that is going 6 m/s walks from the back to the front while the train goes 120 m. What is the person's speed relative to the ground?

A	B	C
33 m/s	8 m/s	18 m/s
D		
5 m/s		

2 A person on a 30 m long train that is going 6 m/s walks from the back to the front while the train goes 180 m. What is the person's speed relative to the ground?

A	B	C
18 m/s	8 m/s	7 m/s
D		
27 m/s		

3 A person on a 30 m long train that is going 3 m/s walks from the back to the front while the train goes 30 m. What is the person's speed relative to the ground?

A	B	C
6 m/s	9 m/s	11 m/s
D		
16 m/s		

4 A person on a 40 m long train that is going 4 m/s walks from the back to the front while the train goes 40 m. What is the person's speed relative to the ground?

A	B	C
12 m/s	8 m/s	17 m/s
D		
7 m/s		

5 A person on a 60 m long train that is going 4 m/s walks from the back to the front while the train goes 80 m. What is the person's speed relative to the ground?

A	B	C
7 m/s	17 m/s	12 m/s
D		
13 m/s		

6 A person on a 50 m long train that is going 6 m/s walks from the back to the front while the train goes 60 m. What is the person's speed relative to the ground?

A	B	C
26 m/s	6 m/s	14 m/s
D		
11 m/s		

7 A person on a 50 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
15 m/s	10 m/s	5 m/s
D		
25 m/s		

8 A person on a 30 m long train that is going 4 m/s walks from the back to the front while the train goes 120 m. What is the person's speed relative to the ground?

A	B	C
20 m/s	10 m/s	5 m/s
D		
25 m/s		