



## Speed - Person in Train - Solve for Train Length

<b>1</b>	In 10 s, a person walks from the back to the front of a train that is going 5 m/s. The person's speed relative to the ground is 9 m/s. How long is the train?			<b>2</b>	In 20 s, a person walks from the back to the front of a train that is going 6 m/s. The person's speed relative to the ground is 11 m/s. How long is the train?		
A	B	C	D	A	B	C	D
45 m	65 m	40 m	35 m	125 m	120 m	100 m	85 m
<b>3</b>	In 30 s, a person walks from the back to the front of a train that is going 4 m/s. The person's speed relative to the ground is 6 m/s. How long is the train?			<b>4</b>	In 10 s, a person walks from the back to the front of a train that is going 6 m/s. The person's speed relative to the ground is 8 m/s. How long is the train?		
A	B	C	D	A	B	C	D
85 m	60 m	35 m	50 m	40 m	45 m	20 m	25 m
<b>5</b>	In 30 s, a person walks from the back to the front of a train that is going 5 m/s. The person's speed relative to the ground is 9 m/s. How long is the train?			<b>6</b>	In 30 s, a person walks from the back to the front of a train that is going 6 m/s. The person's speed relative to the ground is 12 m/s. How long is the train?		
A	B	C	D	A	B	C	D
120 m	100 m	130 m	125 m	175 m	155 m	180 m	185 m
<b>7</b>	In 30 s, a person walks from the back to the front of a train that is going 5 m/s. The person's speed relative to the ground is 10 m/s. How long is the train?			<b>8</b>	In 10 s, a person walks from the back to the front of a train that is going 4 m/s. The person's speed relative to the ground is 9 m/s. How long is the train?		
A	B	C	D	A	B	C	D
160 m	170 m	165 m	150 m	50 m	75 m	30 m	40 m