Math worksheet on *'Speed - Person in Train - Solve for Train Length (Level 1)'*. Part of a broader unit on *'Speed, Distance, and Time Logic Challenges - Intro'*

Learn online: app.mobius.academy/math/units/speed_distance_time_logic_intro/

1 In 10 s, a person walks from the back to the front of a train that is going 3 m/s. The person's speed relative to the ground is 6 m/s. How long is the train?

a	b	c	d
40 m	30 m	20 m	25 m

2 In 30 s, a person walks from the back to the front of a train that is going 3 m/s. The person's speed relative to the ground is 8 m/s. How long is the train?

a	b	c	d
170 m	125 m	150 m	155 m

3 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 8 m/s. How long is the train?

a	b	c	d
20 m	50 m	25 m	40 m

4 In 30 s, a person walks from the back to the front of a train that is going 3 m/s. The person's speed relative to the ground is 7 m/s. How long is the train?

a	b	c	d
100 m	120 m	145 m	130 m

5 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?

a	b	c	d
125 m	100 m	130 m	120 m

6 In 20 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 7 m/s. How long is the train?

a	b	c	d
60 m	65 m	45 m	55 m

7 In 20 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?

a	b	c	d
100 m	110 m	125 m	75 m