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Math worksheet on *'Speed - Person in Train - Solve for Train Length (Level 2)'*. 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 15 s, a person walks from the back to the front of a train that is going 10 m/s. The person's speed relative to the ground is 18 m/s. How long is the train?

a	b	c	d
120 m	130 m	145 m	125 m

2 In 40 s, a person walks from the back to the front of a train that is going 8 m/s. The person's speed relative to the ground is 11 m/s. How long is the train?

a	b	c	d
120 m	110 m	140 m	105 m

3 In 25 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 10 m/s. How long is the train?

a	b	c	d
125 m	115 m	120 m	100 m

4 In 15 s, a person walks from the back to the front of a train that is going 7 m/s. The person's speed relative to the ground is 12 m/s. How long is the train?

a	b	c	d
95 m	50 m	75 m	60 m

5 In 35 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 13 m/s. How long is the train?

a	b	c	d
250 m	245 m	230 m	225 m

6 In 10 s, a person walks from the back to the front of a train that is going 9 m/s. The person's speed relative to the ground is 17 m/s. How long is the train?

a	b	c	d
105 m	70 m	75 m	80 m

7 In 10 s, a person walks from the back to the front of a train that is going 8 m/s. The person's speed relative to the ground is 12 m/s. How long is the train?

a	b	c	d
40 m	45 m	15 m	65 m