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Math worksheet on *'Speed - Person in Train - Solve for Train Length (Level 3)'*. 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 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 12 m/s. How long is the train?

a	b	c	d
210 m	220 m	200 m	235 m

2 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 13 m/s. How long is the train?

a	b	c	d
240 m	245 m	255 m	220 m

3 In 60 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 9 m/s. How long is the train?

a	b	c	d
180 m	205 m	200 m	190 m

4 In 40 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
225 m	220 m	210 m	200 m

5 In 45 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 12 m/s. How long is the train?

a	b	c	d
315 m	300 m	325 m	305 m

6 In 55 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
215 m	230 m	220 m	240 m

7 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 11 m/s. How long is the train?

a	b	c	d
100 m	125 m	110 m	140 m