mobius

Name _____

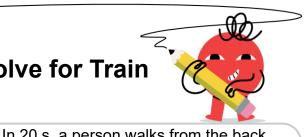## Speed - Person in Train - Solve for Train Length

1	In 30 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 16 m/s. How long is the train?

A	B	C	D
165 m	180 m	205 m	175 m

2	In 20 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 12 m/s. How long is the train?

A	B	C	D
45 m	60 m	40 m	55 m

3	In 15 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 14 m/s. How long is the train?

A	B	C	D
120 m	100 m	135 m	140 m

4	In 35 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 12 m/s. How long is the train?

A	B	C	D
70 m	90 m	50 m	65 m

5	In 15 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
60 m	75 m	35 m	55 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
75 m	105 m	70 m	80 m

7	In 10 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 12 m/s. How long is the train?

A	B	C	D
35 m	20 m	40 m	30 m

8	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
50 m	75 m	60 m	95 m