

Speed, Distance, and Time Logic Challenges - Intro

- 1** A 60 m long train goes past the entire length of a 10 m platform in 10 s. How fast is the train going?

A 18 m/s	B 27 m/s
C 7 m/s	D 8 m/s

- 2** A 30 m long train is going 2 m/s. How long does it take to go past the entire length of a 10 m platform?

A 10 s	B 5 s
C 20 s	D 15 s

- 3** A train going 3 m/s fully passes a 30 m platform in 30 s. How long is the train?

A 60 m	B 35 m
C 70 m	D 55 m

- 4** Car A and Car B both travel 150 km. Car A goes 50 km/hr and arrives 2 hrs later than Car B. How fast is Car B going in km/hr?

A 140 km/hr	B 160 km/hr
C 165 km/hr	D 150 km/hr

- 5** Car A and Car B both travel at 30 km/hr. Car A drives for 1 hr more than Car B and goes a total of 90 km. How far does Car B go?

A 80 km	B 60 km
C 40 km	D 50 km

- 6** Car A and Car B both drive for 1 hr. Car A drives at 50 km/hr and goes 20 km further than Car B. How fast did Car B go?

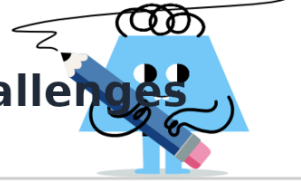
A 15 km/hr	B 30 km/hr
C 50 km/hr	D 40 km/hr

- 7** A person on a 60 m long train that is going 6 m/s walks from the back to the front while the train goes 60 m. What is the person's speed relative to the ground?

A 12 m/s	B 17 m/s
C 8 m/s	D 37 m/s

- 8** 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 9 m/s. How long is the train?

A 110 m	B 90 m
C 80 m	D 95 m



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- 9** A person on a 60 m long train walks from the back to the front in 10 s. The person's speed relative to the ground is 9 m/s. How fast is the train going?

A	22 m/s	B	3 m/s
C	8 m/s	D	18 m/s

- 10** A 160 m long train goes past the entire length of a 50 m platform in 10 s. How fast is the train going?

A	5 m/s	B	6 m/s
C	41 m/s	D	21 m/s

- 11** A 130 m long train is going 10 m/s. How long does it take to go past the entire length of a 20 m platform?

A	10 s	B	40 s
C	5 s	D	15 s

- 12** A train going 8 m/s fully passes a 40 m platform in 30 s. How long is the train?

A	205 m	B	195 m
C	215 m	D	200 m

- 13** Car A and Car B both travel 90 km. Car A goes 60 km/hr and arrives 1 hr, 30 mins earlier than Car B. How fast is Car B going in km/hr?

A	30 km/hr	B	35 km/hr
C	10 km/hr	D	45 km/hr

- 14** Car A and Car B both travel at 30 km/hr. Car A drives for 1 hr less than Car B and goes a total of 45 km. How far does Car B go?

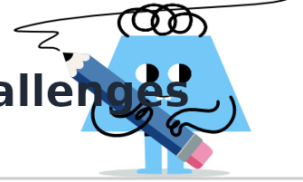
A	60 km	B	75 km
C	70 km	D	90 km

- 15** A 130 m long train goes past the entire length of a 70 m platform in 25 s. How fast is the train going?

A	8 m/s	B	28 m/s
C	18 m/s	D	5 m/s

- 16** Car A and Car B both drive for 3 hrs. Car A drives at 35 km/hr and goes 45 km less than Car B. How fast did Car B go?

A	25 km/hr	B	50 km/hr
C	40 km/hr	D	35 km/hr



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- 17** A 160 m long train is going 14 m/s. How long does it take to go past the entire length of a 50 m platform?

A 10 s	B 35 s
C 15 s	D 30 s

- 18** A train going 6 m/s fully passes a 40 m platform in 25 s. How long is the train?

A 100 m	B 125 m
C 85 m	D 110 m

- 19** A person on a 180 m long train that is going 10 m/s walks from the back to the front while the train goes 100 m. What is the person's speed relative to the ground?

A 28 m/s	B 53 m/s
C 33 m/s	D 43 m/s

- 20** Car A and Car B both travel 35 km Car A goes 70 km/hr and arrives 15 mins later than Car B. How fast is Car B going in km/hr?

A 165 km/hr	B 115 km/hr
C 160 km/hr	D 140 km/hr

- 21** Car A and Car B both travel at 60 km/hr. Car A drives for 3 hrs, 30 mins more than Car B and goes a total of 240 km. How far does Car B go?

A 35 km	B 30 km
C 55 km	D 25 km

- 22** 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?

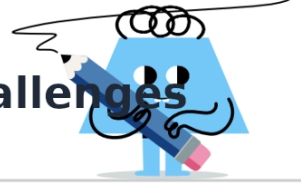
A 40 m	B 20 m
C 35 m	D 30 m

- 23** Car A and Car B both drive for 30 mins. Car A drives at 80 km/hr and goes 10 km further than Car B. How fast did Car B go?

A 45 km/hr	B 70 km/hr
C 60 km/hr	D 65 km/hr

- 24** A person on a 240 m long train that is going 3 m/s walks from the back to the front while the train goes 45 m. What is the person's speed relative to the ground?

A 9 m/s	B 34 m/s
C 5 m/s	D 19 m/s



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25 A person on a 90 m long train walks from the back to the front in 15 s. The person's speed relative to the ground is 13 m/s. How fast is the train going?

A 7 m/s

B 5 m/s

C 13 m/s

D 17 m/s

26 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 10 m/s. How long is the train?

A 235 m

B 240 m

C 255 m

D 220 m

27 A person on a 240 m long train walks from the back to the front in 30 s. The person's speed relative to the ground is 14 m/s. How fast is the train going?

A 21 m/s

B 31 m/s

C 6 m/s

D 11 m/s