Trains - Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Trains**. You will have to read all the given answers and click over the correct answer. If you are not sure about the answer then you can check the answer using **Show Answer** button. You can use **Next Quiz** button to check new set of questions in the quiz.

Q 1 - A train with a speed of 60 kmph crosses a pole in 30 seconds. The length of the train is

A - 500 m

B - 750 m

C - 900 m

D - 1000 m

Answer : A

Explanation

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speed =  (60*5/18)m/sec  = 50/3 m/sec.
Length of the train = (50/3* 30)m = 500 m
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Hide Answer

Q 2 - A train 100 m long crosses a bridge of length 100 m in 6 sec. The train will cross another bridge of length 200 m in:

A - 8 sec

B - 9 sec

C - 10 sec

D - 11 sec

Answer : B

Explanation

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Time taken to cover (100+100)m= 6 sec
Speed of the train = 200/6  m/sec.
Time taken to cover (100+200)m = (300*6/200) sec =9 sec.
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Hide Answer

Q 3 - Two trains 105m and 90m long run at the speeds of 45kmph and 72 kmph respectively in opposite directions on parallel tracks. The time which they take to cross the each other, is

A - 5 sec

B - 6 sec

C - 7 sec

D - 8 sec

Answer : B

Explanation

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Sum of the lengths of the train =(105+90)m=  195 m
 Relative speed = (72+45) kmph = 117 kmph = (117*5/18)m/sec. =585/18 m/sec.
Required time =  (195*18/585 ) sec.= 6 sec.
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Hide Answer

Q 4 - A train overtakes two persons two persons walking in the same direction in which the train is going. These persons are walking at the rate of 2km/hr and 4km/hr and the train passes them completely in 9 sec. and 10 sec. respectively. The length of the train is

A - 72 m

B - 54 m

C - 50 m

D - 45 m

Answer : C

Explanation

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let the length of the train be X km and its speed be y km/hr.
Speed of the train relative to first man = (y-2) km/hr
Speed of the train relative to second man =(y-4)km/hr
∴ x/(y-2) = 9/(60*60) and x/(y-4) =10/(60*60)
⇒ y-2 =400x and y-4 =360x
⇒ 400x+2=360x+4 ⇒40x=2 ⇒x=1/20km =(1/20*1000)m= 50m
∴ length of the train =50m
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Hide Answer

Q 5 - A train takes 5 sec. to pass an electric pole. If the length of the train is 120 m, the time taken by it to cross a railway platform 180 m long ,is

A - 25/2 sec

B - 15/2 sec

C - 13/2 sec

D - 10/3 sec

Answer : A

Explanation

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Speed of the train = (120/5)m/sec. =24m/sec.
Time taken to cross the platform =(120+180)/24 sec. =300/24 sec= 25/2 sec.
```

Hide Answer

Q 6 - Two train travel in opposite direction at 36 kmph and 45kmph. A man sitting in a slower train passes the faster train in 8 sec. The length of the faster train is

A - 80 m

B - 100 m

C - 120 m

D - 180 m

Answer : D

Explanation

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Relative speed =(36+45)km/hr =(81*5/18)m/sec. =45/2m/sec.
Length of the train = distance covered in 8 sec. at 45/2m sec. = (45/2*8)= 180 m
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Show Answer

Q 7 - A train X start from Meerut at 4 pm and reaches Ghaziabad at 5p.m while another train Y start from Ghaziabad at 4p.m and reaches Meerut at 5.30 p.m . The two train will cross each other at

A - 4.36 pm

B - 4.42 pm

C - 4.48 pm

D - 4.50 pm

Answer : A

Explanation

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Let the distance between meerut and Ghaziabad be x km.
Time taken by y to cover x km =3/2 hours.
Time taken by X to cover x km = 1 hours
Speed of x = xkm/hr    speed of y = 2x/3 km/hr
Xy+2xy/3 =x   ⇒ y (1+2/3) =1 ⇒ y = 3/5 hours = (3/5*60) min. =36 min.
Hence, the two train meet at 4.36 p.m
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Hide Answer