

Aptitude Test Week-5

Total points 20/30 ?

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KH



 1.

0/1

A boat can travel 12.6 km downstream in 35 min. If the speed of the water current is one-fourth the speed of the boat in the still water, then what distance the boat can travel upstream in 28 min?

- ☐ 7 km
- ☒ 7.5 km
- ☐ 8.5 km
- ☐ 8 km
- ☐ 6 km



Correct answer

- ☒ 6 km

 2.

1/1

A sailor sails a distance of 48 km along flow of a river in 8 h. If it takes 12 h to return the same distance, then the speed of the flow of the river is

- ☐ 0.5 km/h
- ☒ 1 km/h
- ☐ 1.5 km/h
- ☐ 2 km/h



✓ 3.

1/1

The speed of a boat in still water is 500% more than the speed of the current. What is the respective ratio between the speed of the boat downstream and the speed of the boat upstream?

- ☐ 9:2
- ☐ 7:3
- ☒ 7:5
- ☐ 9:4
- ☐ 4:3



✗ 4.

0/1

A motorboat can travel at 10 km/h in still water. It travelled 91 km downstream in a river and then returned to the same place, taking altogether 20 h. The rate of flow of river is

- ☐ 3 km/h
- ☐ 4 km/h
- ☒ 2 km/h
- ☐ 5 km/h



Correct answer

- ☒ 3 km/h



✓ 5.

1/1

The speed of a boat in still water is 16 km/h and the speed of the current is 2 km/h. The distance travelled by the boat from point A to point B downstream is 12 km more than the distance covered by the same boat from point B to point C upstream in the same time. How much time will the boat take to travel from C to B downstream?

- ☐ 3 h
- ☐ 2 h 30 min
- ☐ 3 h 20 min
- ☒ 2 h 20 min
- ☐ 2 h

✓

✓ 6.

1/1

Pawan can row 24 km/h in still water. When the river is running at 4.8 km/h, it takes him 1h to row to a place and to come back. How far is the place?

- ☒ 11.52 km/h
- ☐ 14 km/h
- ☐ 12.52 km/h
- ☐ 15 km/h

✓



✗ 7.

0/1

Two ports A and B are 300 km apart. Two ships leave A for B such that the second leaves 8 h after the first. The ships arrive at B simultaneously. Find the time taken by the slower ship on the trip, if the speed of one of them is 10 km/h higher than that of the other.

- ☐ 25 h
- ☐ 15 h
- ☐ 10 h
- ☐ 20 h

✓ 8.

1/1

If the speed of a swimmer in still water is 9 km/h. Find the downstream speed of the swimmer, when the river is flowing with the speed of 6km/h.

- ☒ 15 km/h
- ☐ 18 km/h
- ☐ 3 km/h
- ☐ 12 km/h



✓ 9.

1/1

A person can row downstream 20 km in 2h and upstream 4 km in 2 h. What is the speed of the current?

- ☐ 2 km/h
- ☐ 2.5 km/h
- ☐ 3 km/h
- ☒ 4 km/h



✓ 10.

1/1

A boat can travel upstream 13 km and downstream 28 km taking 5 h each time. The velocity of the current is|

- ☐ 0.5 km/h
- ☐ 1 km/h
- ☒ 1.5 km/h
- ☐ 2 km/h
- ☐ 2.5 km/h



✗ 11.

0/1

A train running at the speed of 56 km/hr crosses a pole in 18 seconds. What is the length of the train?

- ☐ 200m
- ☐ 250m
- ☒ 325m
- ☐ 280m

✗

Correct answer

- ☒ 280m

✓ 12.

1/1

It takes a 360 m long train 12 seconds to pass a pole. How long will it take to pass a platform 900 m long?

- ☐ 40 seconds
- ☐ 32 seconds
- ☒ 42 seconds
- ☐ 50 seconds

✓



✗ 13.

0/1

Time is taken by two trains running in opposite directions to cross a man standing on the platform in 28 seconds and 18 seconds respectively. It took 26 seconds for the trains to cross each other. What is the ratio of their speeds?

☐ 2:3☒ 3:2☐ 3:1☐ 4:1

Correct answer

☒ 4:1

✗

✓ 14.

1/1

A train running at the speed of 40 km/hr crosses a signal pole in 9 seconds. Find the length of the train?

☐ 90 ms☐ 150 ms☐ 120 ms☒ 100 ms

✓



✓ 15.

1/1

A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

- ☐ 120 m
- ☒ 240 m
- ☐ 300 m
- ☐ None of these



✗ 16.

0/1

How many seconds will a 500 meter long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr?

- ☒ 25
- ☐ 30
- ☐ 40
- ☐ 45



Correct answer

- ☒ 30



✓ 17.

1/1

Two goods train each 500 m long, are running in opposite directions on parallel tracks. Their speeds are 45 km/hr and 30 km/hr respectively. Find the time taken by the slower train to pass the driver of the faster one.

- ☐ 12 sec
- ☒ 24 sec
- ☐ 48 sec
- ☐ 60 sec



✗ 18.

0/1

Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?

- ☐ 10.30
- ☐ 10
- ☐ 8.45
- ☐ 9.30



✓ 19.

1/1

A train travelling at a speed of 75 mph enters a tunnel $7\frac{1}{2}$ miles long. The train is $\frac{1}{4}$ mile long. How long does it take for the train to pass through the tunnel from the moment the front enters to the moment the rear emerges?

- ☐ 2.5 min
- ☐ 3.2 min
- ☐ 3.5 min
- ☒ 3 min



✓ 20.

1/1

A 300 metre long train crosses a platform in 39 seconds while it crosses a signal pole in 18 seconds. What is the length of the platform?

- ☐ 320 m
- ☐ 650 m
- ☒ 350 m
- ☐ Data inadequate



✓ 21.

1/1

A man travelled distance of 42 km in 5 hours. He travelled partly on foot at the rate of 4 kmph and the rest on bicycle at the rate of 10 kmph. The distance travelled on foot is:

- ☐ 18 km
- ☐ 15 km
- ☐ 10 km
- ☒ 12 km



✓ 22.

1/1

The wheel of a car has 210 cm diameter. How many revolutions per minute must the wheel make so that the speed of the car is kept at 120 kmph.

- ☐ 326.42
- ☐ 245
- ☒ 303.03
- ☐ 289



✓ 23.

1/1

A person walks a distance from point A to B at 15 kmph, and from point B to A at 30 kmph. if he takes 3 hours to complete the journey, then what is the distance from A to B?

- ☐ 25 km
- ☐ 10 km
- ☐ 15 km
- ☒ 30 km



✓ 24.

1/1

A train passes by a lamp post at platform in 7 sec. and passes by the platform completely in 28 sec. If the length of the platform is 390 metres, then the length of train (in metres) is

- ☐ 120
- ☒ 130
- ☐ 140
- ☐ 150



✓ 25.

1/1

If a person walks at 15 kmph instead of 9 kmph, he would have walked 3 km more in the same time. What is the actual distance (in kms) travelled by him?

- ☐ 5.5
- ☐ 6.5
- ☒ 4.5
- ☐ 7.5



✓ 26.

1/1

Suresh goes on a trip on his motor-cycle and rides for 410 kms. If he rides for 5 hours at a speed of 50 kmph, find at what speed he travels for the remaining 4 hours of the journey?

- ☐ 47 kmph
- ☒ 40 kmph
- ☐ 56 kmph
- ☐ 48 kmph



✗ 27.

0/1

After excluding stoppages, the speed of a bus is 60 kmph and after including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

☒ 10

✗

☐ 9

☐ 12

☐ 15

Correct answer

☒ 15

✓ 28.

1/1

A missile travels at 1422 kmph. How many metres does it travel in one second?

☒ 395 metres

✓

☐ 400 metres

☐ 364 metres

☐ 319 metres



✖ 29.

0/1

Ruchir walks at 20 kmph and Rukma cycles at 25 kmph towards each other. What was the distance between them when they started if they meet after 48 minutes?

- ☒ 54 km
- ☐ 45 km
- ☐ 36 km
- ☐ 27 km

✖

Correct answer

- ☒ 36 km

✖ 30.

0/1

A train leaves a station A at 7am and reaches another station B at 11 am. Another train leaves B at 8 am and reaches A at 11:30 am. The two trains cross one another at

- ☒ 8:36 am
- ☐ 8:56 am
- ☐ 9:00 am
- ☐ 9:24 am

✖

Correct answer

- ☒ 9:24 am

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