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1) A train starts from a place A at 6 a.m. and arrives at another place B at 4.30 p.m. on the same day. If the speed of the train is 40 km per hour, find the distance travelled by the train ?

- a) 400 km b) 320 km
c) 230 km d) 420 km

2) A man riding his bicycle covers 150 metres in 25 seconds. What is his speed in km per hour?

- a) 20 b) 23
c) 21.6 d) 25

3) Two men start together to walk a certain distance, one at 4 km/h and another at 3 km/h. The former arrives half an hour before the latter. Find the distance.

- a) 9 km b) 6 km
c) 7 km d) 8 km

4) A train covers a certain distance in 210 minutes at a speed of 60 kmph. The time taken by the train, to cover the same distance at a speed of 80 kmph is :

- a) 3 hours b) $4\frac{5}{8}$ hours
c) $2\frac{5}{8}$ hours d) $3\frac{5}{8}$ hours

5) An athlete runs 200 metres race in 24 seconds. His speed (in km/ hr) is :

- a) 30 b) 28.5
c) 24 d) 20

6) A car driver leaves Bangalore at 8.30 A.M. and expects to reach a place 300 km from Bangalore at 12.30 P.M. At 10.30 he finds that he has covered only 40% of the distance. By how much he has to increase the speed of the car in order to keep up his schedule?

- a) 30 km/hr b) 35 km/hr
c) 40 km/hr d) 45 km/hr

7) A boy goes to his school from his house at a speed of 3 km/hr and returns at a speed of 2 km/ hr. If he takes

5 hours in going and coming, the distance between his house and school is :

- a) 6.5 km b) 5.5 km
c) 5 km d) 6 km

8) You arrive at your school 5 minutes late if you walk with a speed of 4 km/h, but you arrive 10 minutes before the scheduled time if you walk with a speed of 5 km/h. The distance of your school from your house (in km) is

- a) 2 b) 10
c) 5 d) 4

9) Sarita and Julie start walking from the same place in the opposite directions. If Julie walks at a speed of $2\frac{1}{2}$ km/hr and Sarita at a speed of 2 km/hr, in how much time will they be 18 km apart ?

- a) 4.8 hrs b) 5.0 hrs
c) 4.5 hrs d) 4.0 hrs

10) A speed of 30.6 km/.hr is the same as

- a) 15.5 m/sec. b) 12 m/sec.
c) 10 m/sec. d) 8.5 m/sec.

11) A boy runs 20 km in 2.5 hours. How long will he take to run 32 km at double the previous speed ?

- a) 5 hours b) $4\frac{1}{2}$ hours
c) $2\frac{1}{2}$ hours d) 2 hours

12) A car travelling at a speed of 40 km/hour can complete a journey in 9 hours. How long will it take to travel the same distance at 60 km/hour ?

- a) $4\frac{1}{2}$ hours b) 4 hours
c) 3 hours d) 6 hours

13) Walking at the rate of 4 km an hour, a man covers a certain distance in 3 hours 45 minutes. If he covers the same distance on cycle, cycling at the rate of 16.5 km/hour, the time taken by him is





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- a) 45.55 minutes
c) 54.55 minutes

- b) 55.44 minutes
d) 55.45 minutes

- c) 30 km

- d) 25 km

14) A man covers $\frac{2}{15}$ of the total journey by train, $\frac{9}{20}$ by bus and the remaining 10 km on foot. His total journey (in km) is

- a) 12.8
c) 24

- b) 16.4
d) 15.6

15) A person started his journey in the morning. At 11 a.m. he covered $\frac{3}{8}$ of the journey and on the same day at 4.30 p.m. he covered $\frac{5}{6}$ of the journey. He started his journey at

- a) 6.30 a.m.
c) 3.30 a.m.

- b) 7.00 a.m.
d) 6.00 a.m.

16) A train is travelling at the rate of 45km/hr. How many seconds it will take to cover a distance of $\frac{4}{5}$ km?

- a) 120 sec.
c) 64 sec.

- b) 90 sec.
d) 36 sec.

17) A and B travel the same distance at speed of 9 km/hr and 10 km/hr respectively. If A takes 36 minutes more than B, the distance travelled by each is

- a) 66 km
c) 54 km

- b) 60 km
d) 48 km

18) A man rides at the rate of 18 km/ hr, but stops for 6 mins. to change horses at the end of every 7th km. The time that he will take to cover a distance of 90 km is

- a) 6 hrs. 24 min.
c) 6 hrs. 12 min.

- b) 6 hrs. 18 min.
d) 6 hrs.

19) A man travelled a certain distance by train at the rate of 25 kmph. and walked back at the rate of 4 kmph. If the whole journey took 5 hours 48 minutes, the distance was

- a) 15 km

- b) 20 km

20) A man travelled a distance of 80 km in 7 hrs partly on foot at the rate of 8 km per hour and partly on bicycle at 16km per hour. The distance travelled on the foot is

- a) 44 km
c) 48 km

- b) 36 km
d) 32 km

21) A bullock cart has to cover a distance of 120 km. in 15 hours. If it covers half of the journey in $\frac{3}{5}$ th time, the speed to cover the remaining distance in the time left has to be

- a) 15 km/hr
c) 6.67 km/hr

- b) 10 km/hr
d) 6.4 km/hr

22) A man walks 'a' km in 'b' hours. The time taken to walk 200 meters is

- a) $\frac{ab}{200}$ hours
c) $\frac{b}{5a}$ hours

- b) $\frac{b}{a}$ hours
d) $\frac{200b}{a}$ hours

23) A man crosses a road 250 metres wide in 75 seconds. His speed in km/hr is :

- a) 15
c) 12

- b) 12.5
d) 10

24) The speed $3\frac{1}{3}$ m/sec when expressed in km/hour becomes

- a) 12
c) 9

- b) 10
d) 8

25) An aero plane covers a certain distance at a speed of 240 km hour in 5 hours. To cover the same distance in $1\frac{2}{3}$ hours, it must travel at a speed of :

- a) 720 km./hr.
c) 360 km./hr.

- b) 600 km./hr.
d) 300 km./hr.





26) The speed of a bus is 72 km/hr. The distance covered by the bus in 5 seconds is

- a) 74.5 m b) 50 m
c) 60 m d) 100 m

27) A train is moving with the speed of 180 km/hr. Its speed (in metres per second) is :

- a) 50 b) 30
c) 40 d) 5

28) A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 km/hr, the time taken by it to cover the same distance will be :

- a) 11 minutes 20 sec b) 13 minutes
c) 13 minutes 20 sec d) 10 minutes

29) A man walking at the rate of 5 km/hr. crosses a bridge in 15 minutes. The length of the bridge (in metres) is :

- a) 1250 b) 1000
c) 750 d) 600

30) A car goes 10 metres in a second. Find its speed in km/hour.

- a) 36 b) 48
c) 32 d) 40

