2.99 Distance, Speed and Time Problems: 2-hour Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A runner travels at an average speed of 8 km/h for 45 minutes. How far does it travel?

- ☐ A) 6 km
- ☐ B) 53 km
- ☐ C) 7 km
- ☐ D) 360 km
- ☐ E) 8 km

---

2 Yusuf drives 20 km at 20 km/h and then 160 km at 80 km/h. What is Yusuf's average speed for the whole journey, in km/h?

- ☐ A) 59 km/h
- ☐ B) 60 km/h
- ☐ C) 90 km/h
- ☐ D) 50 km/h
- ☐ E) 180 km/h

---

3 Jack drives 36 km at 36 km/h and then 240 km at 60 km/h. What is Jack's average speed for the whole journey, in km/h?

- ☐ A) 48 km/h
- ☐ B) 56.2 km/h
- ☐ C) 138 km/h
- ☐ D) 54.2 km/h
- ☐ E) 55.2 km/h

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4 A cyclist travels 20 km at an average speed of 40 km/h. How long does the journey take?

- [ ] A) 15 minutes
- [ ] B) 30 minutes
- [ ] C) 2 hours
- [ ] D) 13 hours 20 minutes
- [ ] E) 50 minutes

---

5 Dylan drives 240 km at 80 km/h and then 72 km at 24 km/h. What is Dylan's average speed for the whole journey, in km/h?

- [ ] A) 51 km/h
- [ ] B) 312 km/h
- [ ] C) 52 km/h
- [ ] D) 156 km/h
- [ ] E) 104 km/h

---

6 A coach travels at an average speed of 4 km/h for 2 hours. How far does it travel?

- [ ] A) 4.8 km
- [ ] B) 7 km
- [ ] C) 9 km
- [ ] D) 8 km
- [ ] E) 480 km

---

7 Maya drives 15 km at 15 km/h and then 160 km at 40 km/h. What is Maya's average speed for the whole journey, in km/h?

- [ ] A) 43.75 km/h
- [ ] B) 27.5 km/h
- [ ] C) 87.5 km/h
- [ ] D) 34 km/h
- [ ] E) 35 km/h

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8 A runner travels at an average speed of 4 km/h for 1 hour 45 minutes. How far does it travel?

- [ ] A) 7 km
- [ ] B) 4 km
- [ ] C) 420 km
- [ ] D) 109 km
- [ ] E) 8 km

---

9 Ewan drives 72 km at 36 km/h and then 120 km at 30 km/h. What is Ewan's average speed for the whole journey, in km/h?

- [ ] A) 32 km/h
- [ ] B) 31 km/h
- [ ] C) 96 km/h
- [ ] D) 48 km/h
- [ ] E) 33 km/h

---

10 A coach covers 6 km in 30 minutes. What is its average speed in km/h?

- [ ] A) 20 km/h
- [ ] B) 0.2 km/h
- [ ] C) 11 km/h
- [ ] D) 13 km/h
- [ ] E) 12 km/h

---

11 Esme drives 80 km at 40 km/h and then 135 km at 45 km/h. What is Esme's average speed for the whole journey, in km/h?

- [ ] A) 42.5 km/h
- [ ] B) 43 km/h
- [ ] C) 107.5 km/h
- [ ] D) 44 km/h
- [ ] E) 215 km/h

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12 A cyclist covers 15 km in 1 hour. What is its average speed in km/h?

- [ ] A) 25 km/h
- [ ] B) 4 km/h
- [ ] C) 15 km/h
- [ ] D) 0.25 km/h
- [ ] E) 75 km/h

---

13 A coach travels at an average speed of 80 km/h for 30 minutes. How far does it travel?

- [ ] A) 40 km
- [ ] B) 80 km
- [ ] C) 24 km
- [ ] D) 2,400 km
- [ ] E) 160 km

---

14 Ewan drives 144 km at 72 km/h and then 360 km at 90 km/h. What is Ewan's average speed for the whole journey, in km/h?

- [ ] A) 252 km/h
- [ ] B) 81 km/h
- [ ] C) 84 km/h
- [ ] D) 83 km/h
- [ ] E) 126 km/h

---

15 A walker travels 8 km at an average speed of 12 km/h. How long does the journey take?

- [ ] A) 1 hour 36 minutes
- [ ] B) 1 hour 30 minutes
- [ ] C) 1 hour 7 minutes
- [ ] D) 40 minutes
- [ ] E) 1 hour 40 minutes

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16 A train travels at an average speed of 8 km/h for 1 hour 45 minutes. How far does it travel?

- [ ] A) 15 km
- [ ] B) 14 km
- [ ] C) 840 km
- [ ] D) 8 km
- [ ] E) 113 km

---

17 Maya drives 45 km at 15 km/h and then 36 km at 12 km/h. What is Maya's average speed for the whole journey, in km/h?

- [ ] A) 13.5 km/h
- [ ] B) 27 km/h
- [ ] C) 81 km/h
- [ ] D) 40.5 km/h
- [ ] E) 12.5 km/h

---

18 Fatima drives 144 km at 36 km/h and then 90 km at 90 km/h. What is Fatima's average speed for the whole journey, in km/h?

- [ ] A) 58.5 km/h
- [ ] B) 46.8 km/h
- [ ] C) 117 km/h
- [ ] D) 63 km/h
- [ ] E) 45.8 km/h

---

19 A coach covers 1 km in 15 minutes. What is its average speed in km/h?

- [ ] A) 16 km/h
- [ ] B) 0.25 km/h
- [ ] C) 15 km/h
- [ ] D) 5 km/h
- [ ] E) 4 km/h

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20 Isla drives 60 km at 15 km/h and then 60 km at 30 km/h. What is Isla's average speed for the whole journey, in km/h?

- [ ] A) 60 km/h
- [ ] B) 20 km/h
- [ ] C) 120 km/h
- [ ] D) 22.5 km/h
- [ ] E) 30 km/h

---

21 A train covers 72 km in 3 hours. What is its average speed in km/h?

- [ ] A) 216 km/h
- [ ] B) 0.4 km/h
- [ ] C) 40 km/h
- [ ] D) 24 km/h
- [ ] E) 23 km/h

---

22 Anya drives 24 km at 24 km/h and then 144 km at 36 km/h. What is Anya's average speed for the whole journey, in km/h?

- [ ] A) 168 km/h
- [ ] B) 34.6 km/h
- [ ] C) 33.6 km/h
- [ ] D) 84 km/h
- [ ] E) 30 km/h

---

23 Harry drives 80 km at 20 km/h and then 48 km at 12 km/h. What is Harry's average speed for the whole journey, in km/h?

- [ ] A) 32 km/h
- [ ] B) 16 km/h
- [ ] C) 64 km/h
- [ ] D) 15 km/h
- [ ] E) 128 km/h

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24 A runner travels 15 km at an average speed of 5 km/h. How long does the journey take?

- [ ] A) 2 hours 45 minutes
- [ ] B) 4 hours
- [ ] C) 1 hour 15 minutes
- [ ] D) 20 minutes
- [ ] E) 3 hours

---

25 Ewan drives 96 km at 24 km/h and then 50 km at 50 km/h. What is Ewan's average speed for the whole journey, in km/h?

- [ ] A) 28.2 km/h
- [ ] B) 37 km/h
- [ ] C) 73 km/h
- [ ] D) 29.2 km/h
- [ ] E) 30.2 km/h

---

26 Niamh drives 90 km at 45 km/h and then 24 km at 12 km/h. What is Niamh's average speed for the whole journey, in km/h?

- [ ] A) 57 km/h
- [ ] B) 28.5 km/h
- [ ] C) 114 km/h
- [ ] D) 27.5 km/h
- [ ] E) 29.5 km/h

---

27 A coach covers 60 km in 2 hours. What is its average speed in km/h?

- [ ] A) 0.5 km/h
- [ ] B) 29 km/h
- [ ] C) 180 km/h
- [ ] D) 30 km/h
- [ ] E) 50 km/h

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28 A coach travels 20 km at an average speed of 8 km/h. How long does the journey take?

- [ ] A) 24 minutes
- [ ] B) 2 hours 50 minutes
- [ ] C) 2 hours 15 minutes
- [ ] D) 2 hours 40 minutes
- [ ] E) 2 hours 30 minutes

---

29 A coach travels 150 km at an average speed of 60 km/h. How long does the journey take?

- [ ] A) 150 hours
- [ ] B) 2 hours 50 minutes
- [ ] C) 3 hours 30 minutes
- [ ] D) 2 hours 30 minutes
- [ ] E) 24 minutes

---

30 Ravi drives 320 km at 80 km/h and then 48 km at 12 km/h. What is Ravi's average speed for the whole journey, in km/h?

- [ ] A) 46 km/h
- [ ] B) 184 km/h
- [ ] C) 47 km/h
- [ ] D) 92 km/h
- [ ] E) 368 km/h

---

31 A cyclist travels 12 km at an average speed of 30 km/h. How long does the journey take?

- [ ] A) 40 minutes
- [ ] B) 6 hours
- [ ] C) 1 hour 24 minutes
- [ ] D) 24 minutes
- [ ] E) 2 hours 30 minutes

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32 Ethan drives 20 km at 20 km/h and then 96 km at 24 km/h. What is Ethan's average speed for the whole journey, in km/h?

- [ ] A) 29 km/h
- [ ] B) 23.2 km/h
- [ ] C) 22 km/h
- [ ] D) 58 km/h
- [ ] E) 24.2 km/h

---

33 A cyclist covers 200 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 350 km/h
- [ ] B) 81 km/h
- [ ] C) 500 km/h
- [ ] D) 79 km/h
- [ ] E) 80 km/h

---

34 Imogen drives 200 km at 50 km/h and then 48 km at 12 km/h. What is Imogen's average speed for the whole journey, in km/h?

- [ ] A) 31 km/h
- [ ] B) 248 km/h
- [ ] C) 124 km/h
- [ ] D) 30 km/h
- [ ] E) 62 km/h

---

35 A train covers 36 km in 36 minutes. What is its average speed in km/h?

- [ ] A) 21.6 km/h
- [ ] B) 100 km/h
- [ ] C) 60 km/h
- [ ] D) 72 km/h
- [ ] E) 1 km/h

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36 Megan drives 30 km at 15 km/h and then 60 km at 30 km/h. What is Megan's average speed for the whole journey, in km/h?

- [ ] A) 22.5 km/h
- [ ] B) 45 km/h
- [ ] C) 23.5 km/h
- [ ] D) 90 km/h
- [ ] E) 21.5 km/h

---

37 A train covers 45 km in 1 hour 15 minutes. What is its average speed in km/h?

- [ ] A) 37 km/h
- [ ] B) 36 km/h
- [ ] C) 56.25 km/h
- [ ] D) 0.6 km/h
- [ ] E) 60 km/h

---

38 Ravi drives 360 km at 90 km/h and then 60 km at 30 km/h. What is Ravi's average speed for the whole journey, in km/h?

- [ ] A) 420 km/h
- [ ] B) 60 km/h
- [ ] C) 70 km/h
- [ ] D) 210 km/h
- [ ] E) 69 km/h

---

39 Ben drives 24 km at 12 km/h and then 240 km at 60 km/h. What is Ben's average speed for the whole journey, in km/h?

- [ ] A) 36 km/h
- [ ] B) 132 km/h
- [ ] C) 45 km/h
- [ ] D) 44 km/h
- [ ] E) 43 km/h

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40 A train travels at an average speed of 90 km/h for 2 hours. How far does it travel?

- [ ] A) 45 km
- [ ] B) 180 km
- [ ] C) 10,800 km
- [ ] D) 108 km
- [ ] E) 210 km

---

41 Callum drives 30 km at 30 km/h and then 72 km at 72 km/h. What is Callum's average speed for the whole journey, in km/h?

- [ ] A) 50 km/h
- [ ] B) 52 km/h
- [ ] C) 510 km/h
- [ ] D) 51 km/h
- [ ] E) 102 km/h

---

42 A runner travels 15 km at an average speed of 10 km/h. How long does the journey take?

- [ ] A) 40 minutes
- [ ] B) 2 hours 30 minutes
- [ ] C) 1 hour 30 minutes
- [ ] D) 1 hour 50 minutes
- [ ] E) 1 hour 15 minutes

---

43 A train travels 60 km at an average speed of 24 km/h. How long does the journey take?

- [ ] A) 24 hours
- [ ] B) 24 minutes
- [ ] C) 2 hours 15 minutes
- [ ] D) 2 hours 50 minutes
- [ ] E) 2 hours 30 minutes

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44 A cyclist travels at an average speed of 60 km/h for 1 hour 45 minutes. How far does it travel?

- [ ] A) 60 km
- [ ] B) 6,300 km
- [ ] C) 106 km
- [ ] D) 104 km
- [ ] E) 105 km

---

45 A cyclist covers 72 km in 2 hours. What is its average speed in km/h?

- [ ] A) 60 km/h
- [ ] B) 192 km/h
- [ ] C) 144 km/h
- [ ] D) 0.6 km/h
- [ ] E) 36 km/h

---

46 A train travels 36 km at an average speed of 90 km/h. How long does the journey take?

- [ ] A) 40 minutes
- [ ] B) 24 minutes
- [ ] C) 1 hour 24 minutes
- [ ] D) 2 hours 30 minutes
- [ ] E) 54 hours

---

47 A walker travels 12 km at an average speed of 6 km/h. How long does the journey take?

- [ ] A) 1 hour 45 minutes
- [ ] B) 1 hour 12 minutes
- [ ] C) 2 hours
- [ ] D) 30 minutes
- [ ] E) 3 hours

---

48 A cyclist travels 16 km at an average speed of 48 km/h. How long does the journey take?

- [ ] A) 20 minutes
- [ ] B) 3 hours
- [ ] C) 12 hours 48 minutes
- [ ] D) 1 hour 20 minutes
- [ ] E) 33 minutes

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49 A walker covers 3 km in 45 minutes. What is its average speed in km/h?

- [ ] A) 4 km/h
- [ ] B) 3 km/h
- [ ] C) 15 km/h
- [ ] D) 48 km/h
- [ ] E) 2.25 km/h

---

50 A walker travels 16 km at an average speed of 8 km/h. How long does the journey take?

- [ ] A) 30 minutes
- [ ] B) 2 hours 8 minutes
- [ ] C) 3 hours
- [ ] D) 1 hour 45 minutes
- [ ] E) 2 hours

---

51 A runner covers 25 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 11 km/h
- [ ] B) 175 km/h
- [ ] C) 9 km/h
- [ ] D) 10 km/h
- [ ] E) 62.5 km/h

---

52 A runner covers 6 km in 45 minutes. What is its average speed in km/h?

- [ ] A) 7.5 km/h
- [ ] B) 8 km/h
- [ ] C) 9 km/h
- [ ] D) 51 km/h
- [ ] E) 4.5 km/h

---

53 A walker travels at an average speed of 4 km/h for 45 minutes. How far does it travel?

- [ ] A) 1.8 km
- [ ] B) 49 km
- [ ] C) 3 km
- [ ] D) 180 km
- [ ] E) 4 km

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54 A cyclist travels 144 km at an average speed of 72 km/h. How long does the journey take?

- [ ] A) 2 hours
- [ ] B) 3 hours
- [ ] C) 172 hours 48 minutes
- [ ] D) 30 minutes
- [ ] E) 1 hour 45 minutes

---

55 Chloe drives 100 km at 50 km/h and then 80 km at 20 km/h. What is Chloe's average speed for the whole journey, in km/h?

- [ ] A) 35 km/h
- [ ] B) 30 km/h
- [ ] C) 90 km/h
- [ ] D) 45 km/h
- [ ] E) 29 km/h

---

56 A runner travels at an average speed of 12 km/h for 20 minutes. How far does it travel?

- [ ] A) 12 km
- [ ] B) 240 km
- [ ] C) 2.4 km
- [ ] D) 36 km
- [ ] E) 4 km

---

57 A coach travels at an average speed of 20 km/h for 1 hour 15 minutes. How far does it travel?

- [ ] A) 1,500 km
- [ ] B) 95 km
- [ ] C) 25 km
- [ ] D) 15 km
- [ ] E) 20 km

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58 A train travels 36 km at an average speed of 72 km/h. How long does the journey take?

- [ ] A) 50 minutes
- [ ] B) 30 minutes
- [ ] C) 2 hours
- [ ] D) 43 hours 12 minutes
- [ ] E) 1 hour 30 minutes

---

59 A train travels at an average speed of 48 km/h for 1 hour 45 minutes. How far does it travel?

- [ ] A) 5,040 km
- [ ] B) 50.4 km
- [ ] C) 85 km
- [ ] D) 48 km
- [ ] E) 84 km

---

60 A runner travels at an average speed of 6 km/h for 2 hours 30 minutes. How far does it travel?

- [ ] A) 14 km
- [ ] B) 900 km
- [ ] C) 12 km
- [ ] D) 15 km
- [ ] E) 156 km

---

61 A cyclist travels 15 km at an average speed of 45 km/h. How long does the journey take?

- [ ] A) 11 hours 15 minutes
- [ ] B) 20 minutes
- [ ] C) 5 minutes
- [ ] D) 33 minutes
- [ ] E) 3 hours

---

62 A runner travels 4 km at an average speed of 10 km/h. How long does the journey take?

- [ ] A) 24 minutes
- [ ] B) 9 minutes
- [ ] C) 1 hour 24 minutes
- [ ] D) 40 minutes
- [ ] E) 2 hours 30 minutes

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63 A coach travels 30 km at an average speed of 45 km/h. How long does the journey take?

- [ ] A) 40 minutes
- [ ] B) 25 minutes
- [ ] C) 22 hours 30 minutes
- [ ] D) 1 hour 7 minutes
- [ ] E) 1 hour 30 minutes

---

64 A walker covers 8 km in 1 hour. What is its average speed in km/h?

- [ ] A) 9 km/h
- [ ] B) 7.5 km/h
- [ ] C) 7 km/h
- [ ] D) 8 km/h
- [ ] E) 68 km/h

---

65 A cyclist covers 30 km in 2 hours. What is its average speed in km/h?

- [ ] A) 0.25 km/h
- [ ] B) 15 km/h
- [ ] C) 25 km/h
- [ ] D) 60 km/h
- [ ] E) 14 km/h

---

66 A cyclist covers 15 km in 3 hours. What is its average speed in km/h?

- [ ] A) 195 km/h
- [ ] B) 12 km/h
- [ ] C) 4 km/h
- [ ] D) 5 km/h
- [ ] E) 45 km/h

---

67 A walker travels 3 km at an average speed of 4 km/h. How long does the journey take?

- [ ] A) 1 hour 45 minutes
- [ ] B) 30 minutes
- [ ] C) 1 hour 15 minutes
- [ ] D) 12 minutes
- [ ] E) 45 minutes

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68 A cyclist covers 15 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 165 km/h
- [ ] B) 10 km/h
- [ ] C) 0.1 km/h
- [ ] D) 5 km/h
- [ ] E) 6 km/h

---

69 A runner covers 10 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 4 km/h
- [ ] B) 25 km/h
- [ ] C) 15 km/h
- [ ] D) 5 km/h
- [ ] E) 160 km/h

---

70 A train travels at an average speed of 80 km/h for 1 hour 15 minutes. How far does it travel?

- [ ] A) 155 km
- [ ] B) 80 km
- [ ] C) 101 km
- [ ] D) 100 km
- [ ] E) 6,000 km

---

71 A cyclist covers 45 km in 30 minutes. What is its average speed in km/h?

- [ ] A) 75 km/h
- [ ] B) 90 km/h
- [ ] C) 150 km/h
- [ ] D) 1.5 km/h
- [ ] E) 22.5 km/h

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72 Noah drives 90 km at 45 km/h and then 30 km at 15 km/h. What is Noah's average speed for the whole journey, in km/h?

- [ ] A) 29 km/h
- [ ] B) 120 km/h
- [ ] C) 31 km/h
- [ ] D) 60 km/h
- [ ] E) 30 km/h

---

73 A coach travels 4 km at an average speed of 6 km/h. How long does the journey take?

- [ ] A) 40 minutes
- [ ] B) 1 hour 30 minutes
- [ ] C) 24 minutes
- [ ] D) 25 minutes
- [ ] E) 1 hour 7 minutes

---

74 Sana drives 40 km at 20 km/h and then 80 km at 80 km/h. What is Sana's average speed for the whole journey, in km/h?

- [ ] A) 39 km/h
- [ ] B) 60 km/h
- [ ] C) 50 km/h
- [ ] D) 41 km/h
- [ ] E) 40 km/h

---

75 Zainab drives 24 km at 24 km/h and then 120 km at 40 km/h. What is Zainab's average speed for the whole journey, in km/h?

- [ ] A) 35 km/h
- [ ] B) 36 km/h
- [ ] C) 32 km/h
- [ ] D) 37 km/h
- [ ] E) 72 km/h

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76 A cyclist travels 4 km at an average speed of 8 km/h. How long does the journey take?

- [ ] A) 30 minutes
- [ ] B) 50 minutes
- [ ] C) 32 minutes
- [ ] D) 1 hour 30 minutes
- [ ] E) 2 hours

---

77 Jack drives 90 km at 45 km/h and then 90 km at 30 km/h. What is Jack's average speed for the whole journey, in km/h?

- [ ] A) 37.5 km/h
- [ ] B) 90 km/h
- [ ] C) 37 km/h
- [ ] D) 36 km/h
- [ ] E) 35 km/h

---

78 Jack drives 216 km at 72 km/h and then 40 km at 20 km/h. What is Jack's average speed for the whole journey, in km/h?

- [ ] A) 46 km/h
- [ ] B) 51.2 km/h
- [ ] C) 50.2 km/h
- [ ] D) 256 km/h
- [ ] E) 128 km/h

---

79 A runner travels 14 km at an average speed of 8 km/h. How long does the journey take?

- [ ] A) 1 hour 45 minutes
- [ ] B) 2 hours 15 minutes
- [ ] C) 34 minutes
- [ ] D) 1 hour 52 minutes
- [ ] E) 2 hours 45 minutes

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80 Harry drives 108 km at 36 km/h and then 40 km at 20 km/h. What is Harry's average speed for the whole journey, in km/h?

- [ ] A) 74 km/h
- [ ] B) 30.6 km/h
- [ ] C) 148 km/h
- [ ] D) 28 km/h
- [ ] E) 29.6 km/h

---

81 A runner covers 3 km in 30 minutes. What is its average speed in km/h?

- [ ] A) 10 km/h
- [ ] B) 0.1 km/h
- [ ] C) 33 km/h
- [ ] D) 6 km/h
- [ ] E) 1.5 km/h

---

82 Ethan drives 30 km at 30 km/h and then 288 km at 72 km/h. What is Ethan's average speed for the whole journey, in km/h?

- [ ] A) 63.6 km/h
- [ ] B) 79.5 km/h
- [ ] C) 64.6 km/h
- [ ] D) 159 km/h
- [ ] E) 51 km/h

---

83 A runner travels at an average speed of 12 km/h for 40 minutes. How far does it travel?

- [ ] A) 9 km
- [ ] B) 12 km
- [ ] C) 8 km
- [ ] D) 480 km
- [ ] E) 52 km

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84 Maya drives 72 km at 36 km/h and then 60 km at 15 km/h. What is Maya's average speed for the whole journey, in km/h?

- [ ] A) 66 km/h
- [ ] B) 22 km/h
- [ ] C) 25.5 km/h
- [ ] D) 21 km/h
- [ ] E) 132 km/h

---

85 A cyclist travels 9 km at an average speed of 15 km/h. How long does the journey take?

- [ ] A) 36 minutes
- [ ] B) 1 hour 36 minutes
- [ ] C) 1 hour
- [ ] D) 2 hours 15 minutes
- [ ] E) 1 hour 40 minutes

---

86 Harry drives 270 km at 90 km/h and then 144 km at 72 km/h. What is Harry's average speed for the whole journey, in km/h?

- [ ] A) 83.8 km/h
- [ ] B) 81 km/h
- [ ] C) 207 km/h
- [ ] D) 138 km/h
- [ ] E) 82.8 km/h

---

87 A cyclist travels 70 km at an average speed of 40 km/h. How long does the journey take?

- [ ] A) 2 hours 15 minutes
- [ ] B) 34 minutes
- [ ] C) 1 hour 45 minutes
- [ ] D) 46 hours 40 minutes
- [ ] E) 1 hour 30 minutes

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88 A coach travels 10 km at an average speed of 20 km/h. How long does the journey take?

- [ ] A) 3 hours 20 minutes
- [ ] B) 15 minutes
- [ ] C) 1 hour 30 minutes
- [ ] D) 30 minutes
- [ ] E) 50 minutes

---

89 Ewan drives 240 km at 60 km/h and then 45 km at 45 km/h. What is Ewan's average speed for the whole journey, in km/h?

- [ ] A) 58 km/h
- [ ] B) 57 km/h
- [ ] C) 52.5 km/h
- [ ] D) 142.5 km/h
- [ ] E) 56 km/h

---

90 A cyclist travels 6 km at an average speed of 8 km/h. How long does the journey take?

- [ ] A) 48 minutes
- [ ] B) 1 hour 45 minutes
- [ ] C) 1 hour 15 minutes
- [ ] D) 45 minutes
- [ ] E) 30 minutes

---

91 A walker travels at an average speed of 12 km/h for 1 hour 45 minutes. How far does it travel?

- [ ] A) 21 km
- [ ] B) 1,260 km
- [ ] C) 20 km
- [ ] D) 12.6 km
- [ ] E) 12 km

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92 Ravi drives 144 km at 72 km/h and then 60 km at 30 km/h. What is Ravi's average speed for the whole journey, in km/h?

- [ ] A) 52 km/h
- [ ] B) 204 km/h
- [ ] C) 102 km/h
- [ ] D) 50 km/h
- [ ] E) 51 km/h

---

93 A runner covers 2 km in 20 minutes. What is its average speed in km/h?

- [ ] A) 0.1 km/h
- [ ] B) 22 km/h
- [ ] C) 5 km/h
- [ ] D) 6 km/h
- [ ] E) 10 km/h

---

94 A runner covers 12 km in 1 hour. What is its average speed in km/h?

- [ ] A) 12 km/h
- [ ] B) 72 km/h
- [ ] C) 20 km/h
- [ ] D) 5 km/h
- [ ] E) 0.2 km/h

---

95 Yusuf drives 180 km at 90 km/h and then 90 km at 30 km/h. What is Yusuf's average speed for the whole journey, in km/h?

- [ ] A) 53 km/h
- [ ] B) 54 km/h
- [ ] C) 60 km/h
- [ ] D) 270 km/h
- [ ] E) 135 km/h

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96 A walker travels at an average speed of 10 km/h for 1 hour. How far does it travel?

- [ ] A) 6 km
- [ ] B) 70 km
- [ ] C) 10 km
- [ ] D) 600 km
- [ ] E) 9 km

---

97 Jack drives 72 km at 72 km/h and then 108 km at 36 km/h. What is Jack's average speed for the whole journey, in km/h?

- [ ] A) 44 km/h
- [ ] B) 90 km/h
- [ ] C) 46 km/h
- [ ] D) 54 km/h
- [ ] E) 45 km/h

---

98 A cyclist moves at 10 m/s for 1 minute. How far does the cyclist travel in metres?

(1)

---

99 A cyclist travels at an average speed of 4 km/h for 30 minutes. How far does it travel?

- [ ] A) 3 km
- [ ] B) 120 km
- [ ] C) 2 km
- [ ] D) 4 km
- [ ] E) 34 km

---

100 Priya drives 30 km at 15 km/h and then 180 km at 60 km/h. What is Priya's average speed for the whole journey, in km/h?

- [ ] A) 105 km/h
- [ ] B) 42 km/h
- [ ] C) 70 km/h
- [ ] D) 37.5 km/h
- [ ] E) 41 km/h

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101 Declan drives 216 km at 72 km/h and then 48 km at 24 km/h. What is Declan's average speed for the whole journey, in km/h?

- [ ] A) 52.8 km/h
- [ ] B) 132 km/h
- [ ] C) 53.8 km/h
- [ ] D) 51.8 km/h
- [ ] E) 48 km/h

---

102 A train travels at an average speed of 48 km/h for 1 hour. How far does it travel?

- [ ] A) 48 km
- [ ] B) 28.8 km
- [ ] C) 2,880 km
- [ ] D) 49 km
- [ ] E) 47 km

---

103 Lily drives 240 km at 60 km/h and then 200 km at 50 km/h. What is Lily's average speed for the whole journey, in km/h?

- [ ] A) 54 km/h
- [ ] B) 440 km/h
- [ ] C) 220 km/h
- [ ] D) 55 km/h
- [ ] E) 110 km/h

---

104 A coach travels at an average speed of 48 km/h for 40 minutes. How far does it travel?

- [ ] A) 48 km
- [ ] B) 1,920 km
- [ ] C) 72 km
- [ ] D) 19.2 km
- [ ] E) 32 km

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105 Priya drives 60 km at 60 km/h and then 72 km at 72 km/h. What is Priya's average speed for the whole journey, in km/h?

- [ ] A) 67 km/h
- [ ] B) 66 km/h
- [ ] C) 6.6 km/h
- [ ] D) 132 km/h
- [ ] E) 660 km/h

---

106 A coach covers 28 km in 1 hour 45 minutes. What is its average speed in km/h?

- [ ] A) 3.75 km/h
- [ ] B) 15 km/h
- [ ] C) 16 km/h
- [ ] D) 49 km/h
- [ ] E) 133 km/h

---

107 Kwame drives 80 km at 20 km/h and then 24 km at 24 km/h. What is Kwame's average speed for the whole journey, in km/h?

- [ ] A) 20.8 km/h
- [ ] B) 22 km/h
- [ ] C) 104 km/h
- [ ] D) 52 km/h
- [ ] E) 21.8 km/h

---

108 A walker covers 3 km in 36 minutes. What is its average speed in km/h?

- [ ] A) 39 km/h
- [ ] B) 5 km/h
- [ ] C) 4 km/h
- [ ] D) 1.8 km/h
- [ ] E) 6 km/h

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109 Fatima drives 45 km at 45 km/h and then 24 km at 24 km/h. What is Fatima's average speed for the whole journey, in km/h?

- [ ] A) 35.5 km/h
- [ ] B) 3.45 km/h
- [ ] C) 69 km/h
- [ ] D) 34.5 km/h
- [ ] E) 33.5 km/h

---

110 A train travels 6 km at an average speed of 24 km/h. How long does the journey take?

- [ ] A) 4 hours
- [ ] B) 2 hours 24 minutes
- [ ] C) 25 minutes
- [ ] D) 30 minutes
- [ ] E) 15 minutes

---

111 Jack drives 40 km at 40 km/h and then 36 km at 12 km/h. What is Jack's average speed for the whole journey, in km/h?

- [ ] A) 38 km/h
- [ ] B) 26 km/h
- [ ] C) 19 km/h
- [ ] D) 20 km/h
- [ ] E) 18 km/h

---

112 A train travels at an average speed of 20 km/h for 1 hour. How far does it travel?

- [ ] A) 20 km
- [ ] B) 80 km
- [ ] C) 12 km
- [ ] D) 21 km
- [ ] E) 1,200 km

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113 Maya drives 108 km at 36 km/h and then 90 km at 30 km/h. What is Maya's average speed for the whole journey, in km/h?

- [ ] A) 34 km/h
- [ ] B) 99 km/h
- [ ] C) 33 km/h
- [ ] D) 66 km/h
- [ ] E) 32 km/h

---

114 A coach covers 48 km in 3 hours. What is its average speed in km/h?

- [ ] A) 3.75 km/h
- [ ] B) 228 km/h
- [ ] C) 15 km/h
- [ ] D) 144 km/h
- [ ] E) 16 km/h

---

115 A train travels at an average speed of 24 km/h for 2 hours. How far does it travel?

- [ ] A) 2,880 km
- [ ] B) 48 km
- [ ] C) 28.8 km
- [ ] D) 47 km
- [ ] E) 144 km

---

116 Amara drives 144 km at 72 km/h and then 240 km at 80 km/h. What is Amara's average speed for the whole journey, in km/h?

- [ ] A) 128 km/h
- [ ] B) 76 km/h
- [ ] C) 192 km/h
- [ ] D) 384 km/h
- [ ] E) 76.8 km/h

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117 A coach covers 30 km in 1 hour. What is its average speed in km/h?

- [ ] A) 30 km/h
- [ ] B) 50 km/h
- [ ] C) 2 km/h
- [ ] D) 0.5 km/h
- [ ] E) 90 km/h

---

118 A cyclist covers 60 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 210 km/h
- [ ] B) 40 km/h
- [ ] C) 0.4 km/h
- [ ] D) 24 km/h
- [ ] E) 25 km/h

---

119 Yusuf drives 144 km at 36 km/h and then 30 km at 30 km/h. What is Yusuf's average speed for the whole journey, in km/h?

- [ ] A) 87 km/h
- [ ] B) 34.8 km/h
- [ ] C) 174 km/h
- [ ] D) 33 km/h
- [ ] E) 43.5 km/h

---

120 A train travels at an average speed of 8 km/h for 2 hours 30 minutes. How far does it travel?

- [ ] A) 158 km
- [ ] B) 1,200 km
- [ ] C) 20 km
- [ ] D) 21 km
- [ ] E) 16 km

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121 A coach covers 12 km in 24 minutes. What is its average speed in km/h?

- [ ] A) 2 km/h
- [ ] B) 50 km/h
- [ ] C) 31 km/h
- [ ] D) 0.5 km/h
- [ ] E) 30 km/h

---

122 Zainab drives 180 km at 45 km/h and then 15 km at 15 km/h. What is Zainab's average speed for the whole journey, in km/h?

- [ ] A) 48.75 km/h
- [ ] B) 39 km/h
- [ ] C) 30 km/h
- [ ] D) 97.5 km/h
- [ ] E) 195 km/h

---

123 A train covers 180 km in 2 hours 30 minutes. What is its average speed in km/h?

- [ ] A) 72 km/h
- [ ] B) 1.2 km/h
- [ ] C) 71 km/h
- [ ] D) 73 km/h
- [ ] E) 120 km/h

---

124 Hamza drives 60 km at 30 km/h and then 60 km at 15 km/h. What is Hamza's average speed for the whole journey, in km/h?

- [ ] A) 21 km/h
- [ ] B) 30 km/h
- [ ] C) 60 km/h
- [ ] D) 20 km/h
- [ ] E) 22.5 km/h

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125 A runner averages 12 km/h for 20 minutes. How far does the runner go?

- [ ] A) 2.0 km
- [ ] B) 3.0 km
- [ ] C) 4.0 km
- [ ] D) 5.0 km
- [ ] E) 6.0 km

---

126 A coach travels 105 km at an average speed of 60 km/h. How long does the journey take?

- [ ] A) 2 hours 45 minutes
- [ ] B) 1 hour 45 minutes
- [ ] C) 34 minutes
- [ ] D) 2 hours 15 minutes
- [ ] E) 105 hours

---

127 Grace drives 160 km at 80 km/h and then 180 km at 90 km/h. What is Grace's average speed for the whole journey, in km/h?

- [ ] A) 85 km/h
- [ ] B) 170 km/h
- [ ] C) 86 km/h
- [ ] D) 84 km/h
- [ ] E) 340 km/h

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Mark scheme · 2.99 Distance, Speed and Time Problems: 2-hour Pack

Question 1

correct option A (6 km) cao **B1**

Answer: A) 6 km

Question 2

correct option B (60 km/h) cao **B1**

Answer: B) 60 km/h

Question 3

correct option E (55.2 km/h) cao **B1**

Answer: E) 55.2 km/h

Question 4

correct option B (30 minutes) cao **B1**

Answer: B) 30 minutes

Question 5

correct option C (52 km/h) cao **B1**

Answer: C) 52 km/h

Question 6

correct option D (8 km) cao **B1**

Answer: D) 8 km

Question 7

correct option E (35 km/h) cao **B1**

Answer: E) 35 km/h

Question 8

correct option A (7 km) cao **B1**

Answer: A) 7 km

Question 9

correct option A (32 km/h) cao **B1**

Answer: A) 32 km/h

Question 10

correct option E (12 km/h) cao **B1**

Answer: E) 12 km/h

Question 11

correct option B (43 km/h) cao **B1**

Answer: B) 43 km/h

Question 12

correct option C (15 km/h) cao **B1**

Answer: C) 15 km/h

Question 13

correct option A (40 km) cao **B1**

Answer: A) 40 km

Question 14

correct option C (84 km/h) cao **B1**

Answer: C) 84 km/h

Question 15

correct option D (40 minutes) cao **B1**

Answer: D) 40 minutes

Question 16

correct option B (14 km) cao **B1**

Answer: B) 14 km

Question 17

correct option A (13.5 km/h) cao **B1**

Answer: A) 13.5 km/h

Question 18

correct option B (46.8 km/h) cao **B1**

Answer: B) 46.8 km/h

Question 19

correct option E (4 km/h) cao **B1**

Answer: E) 4 km/h

Question 20

correct option B (20 km/h) cao **B1**

Answer: B) 20 km/h

Question 21

correct option D (24 km/h) cao **B1**

Answer: D) 24 km/h

Question 22

correct option C (33.6 km/h) cao **B1**

Answer: C) 33.6 km/h

Question 23

correct option B (16 km/h) cao **B1**

Answer: B) 16 km/h

Question 24

correct option E (3 hours) cao **B1**

Answer: E) 3 hours

Question 25

correct option D (29.2 km/h) cao **B1**

Answer: D) 29.2 km/h

Question 26

correct option B (28.5 km/h) cao **B1**

Answer: B) 28.5 km/h

Question 27

correct option D (30 km/h) cao **B1**

Answer: D) 30 km/h

Question 28

correct option E (2 hours 30 minutes) cao **B1**

Answer: E) 2 hours 30 minutes

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Question 29

correct option D (2 hours 30 minutes) cao **B1**

Answer: D) 2 hours 30 minutes

Question 30

correct option A (46 km/h) cao **B1**

Answer: A) 46 km/h

Question 31

correct option D (24 minutes) cao **B1**

Answer: D) 24 minutes

Question 32

correct option B (23.2 km/h) cao **B1**

Answer: B) 23.2 km/h

Question 33

correct option E (80 km/h) cao **B1**

Answer: E) 80 km/h

Question 34

correct option A (31 km/h) cao **B1**

Answer: A) 31 km/h

Question 35

correct option C (60 km/h) cao **B1**

Answer: C) 60 km/h

Question 36

correct option A (22.5 km/h) cao **B1**

Answer: A) 22.5 km/h

Question 37

correct option B (36 km/h) cao **B1**

Answer: B) 36 km/h

Question 38

correct option C (70 km/h) cao **B1**

Answer: C) 70 km/h

Question 39

correct option D (44 km/h) cao **B1**

Answer: D) 44 km/h

Question 40

correct option B (180 km) cao **B1**

Answer: B) 180 km

Question 41

correct option D (51 km/h) cao **B1**

Answer: D) 51 km/h

Question 42

correct option C (1 hour 30 minutes) cao **B1**

Answer: C) 1 hour 30 minutes

Question 43

correct option E (2 hours 30 minutes) cao **B1**

Answer: E) 2 hours 30 minutes

Question 44

correct option E (105 km) cao **B1**

Answer: E) 105 km

Question 45

correct option E (36 km/h) cao **B1**

Answer: E) 36 km/h

Question 46

correct option B (24 minutes) cao **B1**

Answer: B) 24 minutes

Question 47

correct option C (2 hours) cao **B1**

Answer: C) 2 hours

Question 48

correct option A (20 minutes) cao **B1**

Answer: A) 20 minutes

Question 49

correct option A (4 km/h) cao **B1**

Answer: A) 4 km/h

Question 50

correct option E (2 hours) cao **B1**

Answer: E) 2 hours

Question 51

correct option D (10 km/h) cao **B1**

Answer: D) 10 km/h

Question 52

correct option B (8 km/h) cao **B1**

Answer: B) 8 km/h

Question 53

correct option C (3 km) cao **B1**

Answer: C) 3 km

Question 54

correct option A (2 hours) cao **B1**

Answer: A) 2 hours

Question 55

correct option B (30 km/h) cao **B1**

Answer: B) 30 km/h

Question 56

correct option E (4 km) cao **B1**

Answer: E) 4 km

Question 57

correct option C (25 km) cao **B1**

Answer: C) 25 km

Question 58

correct option B (30 minutes) cao **B1**

Answer: B) 30 minutes

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Question 59

correct option E (84 km) cao **B1**

Answer: E) 84 km

Question 60

correct option D (15 km) cao **B1**

Answer: D) 15 km

Question 61

correct option B (20 minutes) cao **B1**

Answer: B) 20 minutes

Question 62

correct option A (24 minutes) cao **B1**

Answer: A) 24 minutes

Question 63

correct option A (40 minutes) cao **B1**

Answer: A) 40 minutes

Question 64

correct option D (8 km/h) cao **B1**

Answer: D) 8 km/h

Question 65

correct option B (15 km/h) cao **B1**

Answer: B) 15 km/h

Question 66

correct option D (5 km/h) cao **B1**

Answer: D) 5 km/h

Question 67

correct option E (45 minutes) cao **B1**

Answer: E) 45 minutes

Question 68

correct option E (6 km/h) cao **B1**

Answer: E) 6 km/h

Question 69

correct option A (4 km/h) cao **B1**

Answer: A) 4 km/h

Question 70

correct option D (100 km) cao **B1**

Answer: D) 100 km

Question 71

correct option B (90 km/h) cao **B1**

Answer: B) 90 km/h

Question 72

correct option E (30 km/h) cao **B1**

Answer: E) 30 km/h

Question 73

correct option A (40 minutes) cao **B1**

Answer: A) 40 minutes

Question 74

correct option E (40 km/h) cao **B1**

Answer: E) 40 km/h

Question 75

correct option B (36 km/h) cao **B1**

Answer: B) 36 km/h

Question 76

correct option A (30 minutes) cao **B1**

Answer: A) 30 minutes

Question 77

correct option D (36 km/h) cao **B1**

Answer: D) 36 km/h

Question 78

correct option B (51.2 km/h) cao **B1**

Answer: B) 51.2 km/h

Question 79

correct option A (1 hour 45 minutes) cao **B1**

Answer: A) 1 hour 45 minutes

Question 80

correct option E (29.6 km/h) cao **B1**

Answer: E) 29.6 km/h

Question 81

correct option D (6 km/h) cao **B1**

Answer: D) 6 km/h

Question 82

correct option A (63.6 km/h) cao **B1**

Answer: A) 63.6 km/h

Question 83

correct option C (8 km) cao **B1**

Answer: C) 8 km

Question 84

correct option B (22 km/h) cao **B1**

Answer: B) 22 km/h

Question 85

correct option A (36 minutes) cao **B1**

Answer: A) 36 minutes

Question 86

correct option E (82.8 km/h) cao **B1**

Answer: E) 82.8 km/h

Question 87

correct option C (1 hour 45 minutes) cao **B1**

Answer: C) 1 hour 45 minutes

Question 88

correct option D (30 minutes) cao **B1**

Answer: D) 30 minutes

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Question 89

correct option B (57 km/h) cao **B1**

Answer: B) 57 km/h

Question 90

correct option D (45 minutes) cao **B1**

Answer: D) 45 minutes

Question 91

correct option A (21 km) cao **B1**

Answer: A) 21 km

Question 92

correct option E (51 km/h) cao **B1**

Answer: E) 51 km/h

Question 93

correct option D (6 km/h) cao **B1**

Answer: D) 6 km/h

Question 94

correct option A (12 km/h) cao **B1**

Answer: A) 12 km/h

Question 95

correct option B (54 km/h) cao **B1**

Answer: B) 54 km/h

Question 96

correct option C (10 km) cao **B1**

Answer: C) 10 km

Question 97

correct option E (45 km/h) cao **B1**

Answer: E) 45 km/h

Question 98

600 m cao **B1**

Answer: 600 m

Question 99

correct option C (2 km) cao **B1**

Answer: C) 2 km

Question 100

correct option B (42 km/h) cao **B1**

Answer: B) 42 km/h

Question 101

correct option A (52.8 km/h) cao **B1**

Answer: A) 52.8 km/h

Question 102

correct option A (48 km) cao **B1**

Answer: A) 48 km

Question 103

correct option D (55 km/h) cao **B1**

Answer: D) 55 km/h

Question 104

correct option E (32 km) cao **B1**

Answer: E) 32 km

Question 105

correct option B (66 km/h) cao **B1**

Answer: B) 66 km/h

Question 106

correct option C (16 km/h) cao **B1**

Answer: C) 16 km/h

Question 107

correct option A (20.8 km/h) cao **B1**

Answer: A) 20.8 km/h

Question 108

correct option B (5 km/h) cao **B1**

Answer: B) 5 km/h

Question 109

correct option D (34.5 km/h) cao **B1**

Answer: D) 34.5 km/h

Question 110

correct option E (15 minutes) cao **B1**

Answer: E) 15 minutes

Question 111

correct option C (19 km/h) cao **B1**

Answer: C) 19 km/h

Question 112

correct option A (20 km) cao **B1**

Answer: A) 20 km

Question 113

correct option C (33 km/h) cao **B1**

Answer: C) 33 km/h

Question 114

correct option E (16 km/h) cao **B1**

Answer: E) 16 km/h

Question 115

correct option B (48 km) cao **B1**

Answer: B) 48 km

Question 116

correct option E (76.8 km/h) cao **B1**

Answer: E) 76.8 km/h

Question 117

correct option A (30 km/h) cao **B1**

Answer: A) 30 km/h

Question 118

correct option D (24 km/h) cao **B1**

Answer: D) 24 km/h

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Question 119

correct option B (34.8 km/h) cao **B1**

Answer: B) 34.8 km/h

Question 120

correct option C (20 km) cao **B1**

Answer: C) 20 km

Question 121

correct option E (30 km/h) cao **B1**

Answer: E) 30 km/h

Question 122

correct option B (39 km/h) cao **B1**

Answer: B) 39 km/h

Question 123

correct option A (72 km/h) cao **B1**

Answer: A) 72 km/h

Question 124

correct option D (20 km/h) cao **B1**

Answer: D) 20 km/h

Question 125

option C (4.0 km) cao **B1**

Answer: C) 4.0 km (12 km/h x 20/60 h = 4 km)

Question 126

correct option B (1 hour 45 minutes) cao **B1**

Answer: B) 1 hour 45 minutes

Question 127

correct option A (85 km/h) cao **B1**

Answer: A) 85 km/h

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