



Speed, Distance, and Time - Advanced

- 1** A spaceship flies 24dam in 6ms. How fast is this in km/ms?

A 1.44 km/ms	B 0.2 km/ms
C 0.9 km/ms	D 0.04 km/ms

- 2** A rocket flies at 2km/s for 4s. How many hm does it travel?

A 80 hm	B 1,600 hm
C 0.2 hm	D 800 hm

- 3** A spaceship flies at 5hm/ms and goes 35hm. How many ms does it take?

A 14 ms	B 6 ms
C 1.75 ms	D 7 ms

- 4** A bug crawls 16cm in 8min. How fast is this in cm/s?

A 0.0333 cm/s	B 0.7 cm/s
C 0.6 cm/s	D 7,680 cm/s

- 5** A bacteria moves at 5mm/hr for 7hr. How many mm does it travel?

A 2.92 mm	B 3,500 mm
C 5,040 mm	D 35 mm

- 6** A horse trots at 3m/s and goes 15m. How many min does it take?

A 0.0833 min	B 0.9 min
C 0.0005 min	D 2,700 min

- 7** A bacteria moves 18dm in 6hr. How fast is this in mm/min?

A 11 mm/min
B 9 mm/min
C 5 mm/min
D 648,000 mm/min

- 8** A horse trots at 4hm/hr for 5hr. How many km does it travel?

A 0.013 km	B 45,000 km
C 2 km	D 8 km



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- 9** A bug crawls at 4hm/d and goes 20hm . How many hr does it take?

A

0 hr

B

120 hr

C

12 hr

D

7,200 hr

- 10** A car starts at 3:30 and drives until 5:00. It goes 120km . How fast is this in km/hr ?

A

80 km/hr

B

170 km/hr

C

180 km/hr

D

40 km/hr

- 11** Spaceship A flies 4dam in 6ms . Spaceship B flies 300dm in 5ms . Which is faster?

A

Spaceship A

B

Spaceship B

- 12** Horse A trots at 1km/hr for 4hr . Horse B trots at 50dam/hr for 6hr . Which goes further?

A

Horse A

B

Horse B

- 13** Bug A crawls at 0.25m/min and goes 2m . Bug B crawls at 0.07dam/min and goes 0.5dam . Which takes less time?

A

Bug A

B

Bug B

- 14** Bacteria A moves 2dm in 6d . Bacteria B moves 3dm in 96hr . Which is faster?

A

Bacteria B

B

Bacteria A

- 15** Rocket A flies at 0.8km/s for 5s . Rocket B flies at 45km/min for 0.07min . Which goes further?

A

Rocket A

B

Rocket B

- 16** Bacteria A moves at 0.25dm/hr and goes 2dm . Bacteria B moves at 0.01dm/min and goes 4dm . Which takes less time?

A

Bacteria A

B

Bacteria B

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- 17** Bacteria A moves 2dm in 8d. Bacteria B moves 0.4m in 120hr. Which is faster?

A

Bacteria A

B

Bacteria B

- 18** Rocket A flies at 0.63km/s for 8s. Rocket B flies at 2,250dam/min for 0.13min. Which goes further?

A

Rocket A

B

Rocket B

- 19** Bug A crawls at 1cm/min and goes 4cm. Bug B crawls at 0.0001m/s and goes 0.02m. Which takes less time?

A

Bug B

B

Bug A

- 20** A car drives to a town 15 km away and then returns. It takes 30 mins to get there and 1 hr to get back. What's its average speed in km/hr?

A

36 km/hr

B

32 km/hr

C

20 km/hr

D

2 km/hr

- 21** A car drives for 1 hr, 30 mins to reach a town 60 km away and then returns. It's average speed is 60 km/hr. How long does the return journey take?

A 15 mins

B 1 hr, 30 mins

C 1 hr, 15 mins

D 30 mins

- 22** A car drives for 1 hr, 30 mins to reach a town and then 1 hr to return. It's average speed is 60 km/hr. How many km away is the town?

A

33 km

B

40 km

C

75 km

D

19 km

- 23** A car starts at 3:30 and drives until 5:30. It goes 160km. How fast is this in km/hr?

A

30 km/hr

B

80 km/hr

C

320 km/hr

D

20 km/hr

- 24** A car starts at 1:00 and drives at 40km/hr for 140km. What time does it arrive?

A

5:30

B

6:00

C

4:30

D

6:30

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25 A car starts at 2:30 and drives until 5:00. It goes 300km. How fast is this in km/hr?

A
110 km/hr

B
80 km/hr

C
750 km/hr

D
120 km/hr

26 A car starts at 3:30 and drives at 100km/hr for 250km. What time does it arrive?

A
4:00

B
5:30

C
5:00

D
6:00

27 A car starts at 1:00 and drives at 80km/hr until 1:30. How many km does it travel?

A
40 km

B
60 km

C
3,200 km

D
15 km

28 A car starts at 2:30 and drives at 120km/hr for 360km. What time does it arrive?

A
5:30

B
7:30

C
7:00

D
3:30

29 A car starts at 1:00 and drives at 60km/hr until 3:30. How many km does it travel?

A
15 km

B
150 km

C
190 km

D
9,000 km

30 A car starts at 3:30 and drives at 120km/hr until 7:30. How many km does it travel?

A
4,800 km

B
15 km

C
480 km

D
57,600 km

31 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
27 m/s

B
18 m/s

C
7 m/s

D
8 m/s

32 A car drives P cm in Y d. How fast is this in mm/d?

A
 $\frac{1}{10PY} \text{ mm/d}$

B
 $\frac{10Y}{P} \text{ mm/d}$

C
 $\frac{10P}{Y} \text{ mm/d}$

D
 $\frac{Y}{10P} \text{ mm/d}$

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33 A car drives at R m/d and goes N mm. How many d does it take?

A $1,000RN d$

B $\frac{1,000N}{R} d$

C $\frac{N}{1,000R} d$

D $\frac{1,000R}{N} d$

34 A car drives at R km/s for Z s. How many m does it travel?

A $\frac{1,000Z}{R} m$

B $\frac{1,000R}{Z} m$

C $\frac{Z}{1,000R} m$

D $1,000RZ m$

35 A car drives for X hr and goes B m. How fast is this in m/d?

A $\frac{X}{24B} m/d$

B $\frac{24}{B} m/d$

C $\frac{24B}{X} m/d$

D $\frac{1}{24BX} m/d$

36 A car drives at R km/min and goes M km. How many s does it take?

A $\frac{RM}{60} s$

B $\overline{R} s$

C $\frac{1}{RM} s$

D $\frac{60M}{R} s$

37 Car A and Car B both travel at 50 km/hr. Car A drives for 1 hr less than Car B and goes a total of 50 km. How far does Car B go?

A 85 km

B 115 km

C 100 km

D 125 km

38 A car starts at 2:00 and drives until 2:30. It goes 40km. How fast is this in km/hr?

A 80 km/hr

B 20 km/hr

C 40 km/hr

D 8 km/hr

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39 A car drives at M mm/min for D hr. How many mm does it travel?

A $\frac{D}{60M} \text{ mm}$

B $\frac{1}{60MD} \text{ mm}$

C $60MD \text{ mm}$

D $\frac{60M}{D} \text{ mm}$

40 A car starts at 3:45 and drives until 5:45. It goes 160km. How fast is this in km/hr?

A 800 km/hr

B 320 km/hr

C 100 km/hr

D 80 km/hr

41 A car starts at 2:30 and drives at 80km/hr for 80km. What time does it arrive?

A 2:45

B 3:15

C 3:00

D 3:30

42 A car starts at 1:30 and drives at 160km/hr for 160km. What time does it arrive?

A 2:15

B 2:00

C 2:30

D 2:45

43 A car starts at 1:30 and drives at 80km/hr until 1:45. How many km does it travel?

A 15 km

B 20 km

C 1,600 km

D 5 km

44 A car starts at 4:45 and drives at 120km/hr until 6:30. How many km does it travel?

A 25,200 km

B 210 km

C 15 km

D 190 km

45 Car A and Car B both travel 60 km Car A goes 60 km/hr and arrives 2 hrs earlier than Car B. How fast is Car B going in km/hr?

A 10 km/hr

B 20 km/hr

C 5 km/hr

D 30 km/hr

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- 46** Car A and Car B both travel 75 km. Car A goes 50 km/hr and arrives 1 hr, 30 mins earlier than Car B. How fast is Car B going in km/hr?

A	25 km/hr	B	35 km/hr
C	30 km/hr	D	5 km/hr

- 47** 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	140 km/hr	B	160 km/hr
C	115 km/hr	D	165 km/hr

- 48** Car A and Car B both travel at 40 km/hr. Car A drives for 30 mins less than Car B and goes a total of 20 km. How far does Car B go?

A	25 km	B	30 km
C	40 km	D	15 km

- 49** Car A and Car B both travel at 120 km/hr. Car A drives for 2 hrs, 15 mins less than Car B and goes a total of 210 km. How far does Car B go?

A	495 km	B	470 km
C	480 km	D	500 km

- 50** Car A and Car B both drive for 2 hrs. Car A drives at 60 km/hr and goes 20 km further than Car B. How fast did Car B go?

A	70 km/hr	B	35 km/hr
C	50 km/hr	D	40 km/hr

- 51** Car A and Car B both drive for 2 hrs, 30 mins. Car A drives at 50 km/hr and goes 50 km further than Car B. How fast did Car B go?

A	5 km/hr	B	30 km/hr
C	35 km/hr	D	25 km/hr

- 52** Car A and Car B both drive for 4 hrs. Car A drives at 95 km/hr and goes 140 km further than Car B. How fast did Car B go?

A	35 km/hr	B	60 km/hr
C	75 km/hr	D	45 km/hr

- 53** A car drives 120hm in 6min. How fast is this in dm/min?

A	200,000 dm/min
B	720,000 dm/min
C	20,000 dm/min
D	200 dm/min



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54 A bug crawls at 40dam/d for 8d. How many km does it travel?

A

1.28 km

B

3.2 km

C

11 km

D

20 km

55 A horse trots at 30dm/s and goes 120dm. How many s does it take?

A

0.36 s

B

13.33 s

C

6 s

D

4 s

56 Spaceship A flies 50dam in 6ms. Spaceship B flies 500m in 8ms. Which is faster?

A

Spaceship B

B

Spaceship A

57 Car A drives at 5hm/min for 4min. Car B drives at 8,333.33dm/min for 6min. Which goes further?

A

Car A

B

Car B

58 Bug A crawls at 10dm/min and goes 50dm. Bug B crawls at 0.075dam/min and goes 0.3dam. Which takes less time?

A

Bug A

B

Bug B

59 A car drives 160mm in 8ms. How fast is this in mm/s?

A

2,000,000 mm/s

B

200,000 mm/s

C

20,000 mm/s

D

1.3 mm/s

60 A rocket flies at 40km/min for 4min. How many km does it travel?

A

16 km

B

160 km

C

360 km

D

106.67 km

61 A bug crawls at 40dm/hr and goes 240dm. How many d does it take?

A

0.4 d

B

0.0003 d

C

0.25 d

D

230,400 d

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62 A bug crawls 3,500m in 70hr. How fast is this in km/hr?

A

245 km/hr

B

0.05 km/hr

C

0.6 km/hr

D

0.4 km/hr

63 Train A travels 20km in 4min. Train B travels 30km in 0.08hr. Which is faster?

A

Train A

B

Train B

64 A spaceship flies at 50dam/ms for 50ms. How many km does it travel?

A

21 km

B

12.5 km

C

100 km

D

25 km

65 A rocket flies at 40dm/ms and goes 2,800dm. How many ms does it take?

A

11,200,000 ms

B

0.7 ms

C

70 ms

D

0.18 ms

66 Plane A flies at 7.14km/min for 7min. Plane B flies at 0.07km/s for 420s. Which goes further?

A

Plane B

B

Plane A

67 A car starts at 1:15 and drives until 3:00. It goes 280km. How fast is this in km/hr?

A

160 km/hr

B

16 km/hr

C

490 km/hr

D

1,600 km/hr

68 Bacteria A moves 40m in 50d. Bacteria B moves 2,000cm in 50d. Which is faster?

A

Bacteria B

B

Bacteria A

69 Bacteria A moves at 5cm/hr and goes 20cm. Bacteria B moves at 96cm/d and goes 20cm. Which takes less time?

A

Bacteria B

B

Bacteria A

**Speed, Distance, and Time - Advanced**

70 Car A drives at 0.71km/min for 70min . Car B drives at 37.5dam/min for 80min . Which goes further?

A

Car A

B

Car B

71 Bug A crawls at 0.43hm/hr and goes 30hm . Bug B crawls at 3.75dam/hr and goes 300dam . Which takes less time?

A

Bug A

B

Bug B

72 A car starts at $2:45$ and drives at 160km/hr for 320km . What time does it arrive?

A

 $4:45$

B

 $4:00$

C

 $4:15$

D

 $5:45$

73 A train travels 350mm in 7ms . How fast is this in dm/s ?

A

 500 dm/s

B

 5 dm/s

C

 0 dm/s

D

 50 dm/s

74 A bacteria moves $1,500\text{dm}$ in 50d . How fast is this in dm/hr ?

A

 2 dm/hr

B

 3 dm/hr

C

 1.25 dm/hr

D

 $1,800,000\text{ dm/hr}$

75 A car drives at 20hm/min for 50min . How many hm does it travel?

A

 $1,000\text{ hm}$

B

 10 hm

C

 0 hm

D

 $1,200,000\text{ hm}$

76 A car starts at $2:15$ and drives at 160km/hr until $4:15$. How many km does it travel?

A

 560 km

B

 15 km

C

 $51,200\text{ km}$

D

 320 km

77 A horse trots at 20dam/min and goes 800dam . How many s does it take?

A

 266.7 s

B

 $7,200\text{ s}$

C

 $2,400\text{ s}$

D

 24 s



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78 A spaceship flies at 50hm/ms for 6ms . How many km does it travel?

A

300 km

B

150,000 km

C

0 km

D

30 km

79 Spaceship A flies 30km in 60ms . Spaceship B flies 20km in 0.07s . Which is faster?

A

Spaceship B

B

Spaceship A

80 A spaceship flies at 40km/s and goes 320km . How many ms does it take?

A

1,280 ms

B

8,000 ms

C

800,000 ms

D

20,000 ms