

Name:

Exam Style Questions

## Distance Charts



Corbettmaths

Equipment needed: Calculator, pen

### Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Video 318



Answers and Video Solutions



1. The distance chart below shows the distance, in miles, between some towns and cities.



Cambridge			
54	Ipswich		
64	45	Norwich	
43	82	78	Peterborough

- (a) Write down the distance between Ipswich and Peterborough.

.....82..... miles  
(1)

- (b) Write down the distance between Norwich and Cambridge.

.....64..... miles  
(1)

- (c) Write down the names of the places that are 78 miles apart

.....Norwich..... and..... Peterborough.....  
(1)

- (d) Write down the names of the places that are 43 miles apart

.....Cambridge..... and..... Peterborough.....  
(1)

2.



Foxtown			
26	Sandcliff		
51	25	Red Island	
38	29	49	Donhampton

The table shows the distances, in miles, by road between some towns.

(a) Write down the distance between Red Island and Foxtown

.....51..... miles  
(1)

(b) Write down the names of the two towns which are the least distance apart.

Red Island ..... and ..... Sandcliffe  
(1)

Martin lives in Foxtown. 38 miles  
He works in Donhampton.  
Martin drives to work in the morning and back home in the evening.  
He works Monday to Friday.

(c) Work out how many miles Martin drives each week.

2 journeys a day  
10 journeys a week

$$10 \times 38 = 380$$

.....380..... miles  
(3)

3.



Bilton				
52	Newtown			
23	60	Portsville		
75	36	70	Leek	
64	53	42	49	Castletown

The table above shows the distance in miles between some cities.

(a) Write down the distance between Bilton and Leek.

75  
..... miles  
(1)

James drives from Newtown to Castletown. 53  
 He then drives from Castletown to Bilton. 64  
 He then drives from Bilton to Leek. 75

(b) Work out the total distance travelled.

$$\begin{array}{r}
 53 \\
 64 \\
 + 75 \\
 \hline
 192
 \end{array}$$

192  
..... miles  
(2)

4. Here is a route map between four towns.



The distances, in kilometres, between some of the towns are shown on the map.



The distance from Swantown to Oldville is 95 kilometres.

(a) Work out the distance from Newham to Oldville.

$$42 + 32 = 74$$
$$95 - 74 = 21$$

.....21..... kilometres  
(2)

(b) Complete the distance chart below to show the distances between the towns.

Swantown			
42	Green Island		
74	32	Newham	
95	53	21	Oldville

(3)

5. The distance chart below shows the distance, in miles, between some towns and cities.



Bath				
12	Bristol			
14	24	Frome		
33	40	40	Swindon	
12	23	9	31	Trowbridge

Ethan gets a taxi to travel from Trowbridge to Bath. *12 miles*

The journey costs £2.40 per mile plus a £3.30 pick-up charge.

Ethan pays with £10 notes.

Work out how many £10 notes Ethan will need.

You must show your working.

$$12 \times 2.40 = £28.80$$

$$£28.80 + £3.30 = £32.10$$

*4 £10 notes needed.*

*4*  
.....  
(4)

6. The chart shows the distance, in miles, by road between some towns.



Jaxonville			
112	Bakerstown		
105 ✓	50	Milton	
30	140	135	Greenwood

Lexi travels from Milton to Jaxonville in 3 hours.

(a) Work out Lexi's average speed for the journey between Milton to Jaxonville.

$$105 \div 3 = 35$$

..... 35 ..... mph  
(2)

Lexi then drives from Jaxonville to Greenwood at an average speed of 40mph

(b) How long did it take Lexi to travel from Jaxonville to Greenwood?

$$30 \div 40 = 0.75 \text{ hours}$$

..... 45 minutes .....  
(2)