

Solve problems involving tables and timetables

1 Here is part of a calendar for 2021

July 2021							August 2021						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30	31				

- a) How many Saturdays are there in July? 5
- b) How many Wednesdays are there in August? 4
- c) What day of the week is 14 July? Wednesday
- d) What day of the week is 14 August? Saturday

2 The table shows the distances in miles between six UK towns and cities.

Aberdeen					
505	Bristol				
488	170	Cambridge			
602	392	122	Dover		
578	84	229	248	Exeter	
381	185	197	213	261	Flint

- a) Which two places are furthest apart?
Aberdeen and Dover
- b) Which two places are closest to each other?
Bristol and Exeter

c) Which two places are 229 miles apart?

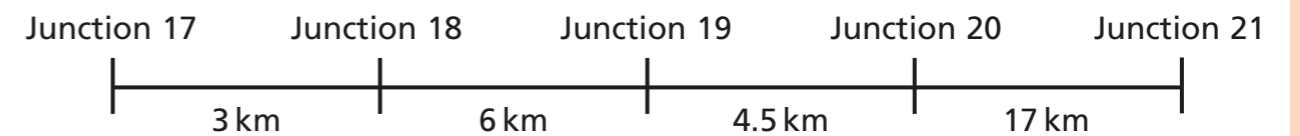
Cambridge and Exeter

d) How far is it from Exeter to Bristol? 84 miles

e) How much further away from Aberdeen is Cambridge than Flint? 107 miles

f) A lorry travels from Exeter to Cambridge, and then from Cambridge to Aberdeen.
How far does the lorry travel in total? 717 miles

3 The diagram shows the distance between some of the junctions on the M1 motorway.



Use the diagram to complete the table.

Junction 17				
3	Junction 18			
9	6	Junction 19		
13.5	10.5	4.5	Junction 20	
30.5	27.5	21.5	17	Junction 21

- 4 320 students were asked their favourite type of food. The results are shown in the table.

	Boys	Girls	Total
Italian	27	18	45
Indian	31	40	71
Chinese	27	23	50
Other	18	26	44
No preference	48	62	110
Total	151	169	320

a) Complete the table.

b) Work out the difference between the number of students who prefer Italian and the number who prefer Chinese or Indian.


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- 5 Work out the missing values in this table.

	Men	Women	Total
Prefer cats	22	31	53
Prefer dogs	24	23	47
Total	46	54	100

Do you have to work out the values in one particular order?

- 6 Here is part of a train timetable.



St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford	—	07:19	—	07:42	—
Gravesend	06:47	—	07:18	—	07:43

a) How many of the trains go all the way from St Pancras to Gravesend?

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b) How long does the 06:40 take to get from St Pancras to Ashford?

39 minutes

c) Which train takes the least amount of time to get from St Pancras to Gravesend?

07:22

- 7 In this timetable, all the trains stop at every station and the times taken between stations does not change.

Fill in the missing information.



Aberford	08:30	11:00	13:10	14:36
Cartown	08:52	11:22	13:32	14:58
Donville	09:07	11:37	13:47	15:13
Highborough	09:21	11:51	14:01	15:27
Southland	09:57	12:27	14:37	16:03