

WJEC GCSE MATHS • GRADE 1

MATHS



MODEL ANSWERS

PLANS SCHEDULES TIMETABLES

SCORE

/185

PERCENTAGE

%

STEMUP

- 1 The timetable shows some bus times.
At what time does Bus 4 reach Carmarthen? Give your answer using the 24-hour clock.

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Carmarthen	07:55	08:20	09:05	09:25
Port Talbot	08:15	08:40	09:25	09:45
Haverfordwest	08:27	08:52	09:37	09:57
Swansea	08:39	09:04	09:49	10:09
Abergavenny	08:49	09:14	09:59	10:19

Read across from Carmarthen to the Bus 4
column: 09:25

09:25

1 / 1

- 2 The infographic shows some facts about a place or event.
How many classes taking part are shown on the infographic?

School recycling week



Read the box about classes taking part: 25

25

1 / 1

- 3 The concert starts at 9:35 am.
Write this time using the 24-hour clock.

Morning times are the same in 24-hour clock,
with a leading zero: 09:35

09:35

1 / 1

- 4 The timetable shows some bus times.
What time does Bus 2 arrive at Llandudno?

Bus timetable

	Bus 1	Bus 2	Bus 3
Pontypridd	08:00	08:30	09:00
Llandudno	08:20	08:50	09:20
Conwy	08:25	08:55	09:25
Barry	08:40	09:10	09:40

Find Bus 2 and Llandudno in the timetable:
08:50

08:50

1 / 1

- 5 The infographic shows some facts about a place or event.
How many computer users are shown on the infographic?

Library: one month

515 books borrowed	40 new members	335 computer users	4 events held
------------------------------	--------------------------	------------------------------	-------------------------

Read the box about computer users: 335

335

1 / 1

- 6 The calendar shows the month of April 2027.
On which day of the week is the 20th of April?

April 2027

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Find 20 in the calendar and read up to the day:
Tuesday

Tuesday

1 / 1

- 7 The calendar shows the month of August 2028.
How many Saturdays are there in August?

August 2028

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Count the Sats: 5, 12, 19, 26

4

1 / 1

- 8 The infographic shows some facts about a place or event.
Which fact has the largest number?

School recycling week

320 kg kg of paper	670 plastic bottles	110 kg kg of glass	29 classes taking part
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plastic bottles has the biggest number: 670

plastic bottles

1 / 1

- 9 The calendar shows the month of March 2026.
On which day of the week is the 11th of March?

March 2026

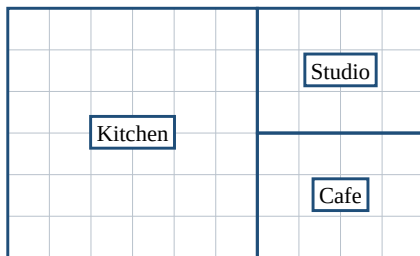
Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Find 11 in the calendar and read up to the day:
Wednesday

Wednesday

1 / 1

- 10** The diagram shows the plan of a building drawn on a square grid.
Each square represents 1 metre.
What is the length of the longer side of the Studio?



Scale:
1 square
= 1 m

*Count 4 squares
 $4 \times 1 = 4 \text{ m}$*

4 m

/ 1

- 11** The infographic shows some facts about a place or event.
Which fact has the largest number?

Library: one month

1,120

books borrowed

64

new members

390

computer users

9

events held

books borrowed has the biggest number: 1,120

books borrowed

/ 1

- 12** The calendar shows the month of October 2026.
On which day of the week is the 13th of October?

October 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

*Find 13 in the calendar and read up to the day:
Tuesday*

Tuesday

/ 1

- 13** The rota shows the shifts for four workers. E = early shift (6 am to 2 pm), L = late shift (2 pm to 10 pm), – = day off.
On which days does Rhys have the day off? If there are none, write none.

Weekly rota

Name	Mon	Tue	Wed	Thu	Fri	Sat
Ceri	E	L	L	E	E	E
Sian	E	L	L	–	L	–
Gwen	L	–	E	L	–	E
Rhys	E	E	–	L	E	E

Look for – in the row for Rhys: Wed

Wed

1 / 1

- 14** The plan shows the seats in a small theatre. Seats that are taken are shaded grey.
How many seats are free in row B?

	1	2	3	4	5	6	7	8	9
A	■	■	□	■	■	□	□	■	□
B	□	□	□	■	■	□	■	■	□
C	□	□	□	■	□	□	□	□	□
D	□	■	■	□	■	□	□	□	□
E	■	□	□	■	□	□	■	■	■

■ = taken

Count the white seats in row B: 5

5

1 / 1

- 15** The calendar shows the month of April 2028.
What is the date of the second Sunday in April?
Write your answer as a number.

April 2028

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

The Sun column has dates 2, 9, 16, 23, 30

9

1 / 1

- 16** The rota shows the shifts for four workers. E = early shift (6 am to 2 pm), L = late shift (2 pm to 10 pm), – = day off.
On which days does Sian have the day off? If there are none, write none.

Weekly rota

Name	Mon	Tue	Wed	Thu	Fri	Sat
Iolo	L	L	–	E	L	L
Ceri	L	E	E	E	L	L
Sian	L	E	E	L	L	–
Gwen	–	E	L	E	E	L

Look for – in the row for Sian: Sat

Sat

1 / 1

- 17** The calendar shows the month of July 2028.
The dates of the concert and the sports day are shaded.
On which day of the week is the sports day?

July 2028

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

The later shaded date is 27, which is a Thursday

Thursday

1 / 1

- 18** The table shows three films at a cinema.
Jess wants to arrive 30 minutes before Mountain Rescue starts.
At what time should she arrive?

Cinema

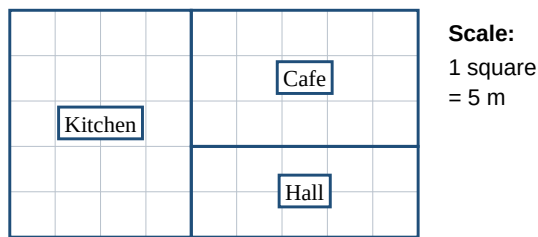
Film	Starts	Length
Space Pups	15:45	105 min
Castle Secret	17:00	110 min
Mountain Rescue	12:45	130 min

12:45 – 30 minutes = 12:15

12:15

1 / 1

- 19 The diagram shows the plan of a building drawn on a square grid. Each square represents 5 metres. What is the width of the building?



The building is 9 squares wide
 $9 \times 5 = 45 \text{ m}$

45 m

/ 1

- 20 The timetable shows some train times. A dash (–) means the train does not stop. Which train does not stop at Llandudno?

Train timetable

	Train 1	Train 2	Train 3	Train 4
Cardiff	07:30	08:00	08:45	09:15
Conwy	07:50	08:20	09:05	09:35
Llanelli	07:58	08:28	09:13	09:43
Llandudno	–	08:40	09:25	09:55
Barry	08:22	08:52	09:37	10:07

The dash is in the Llandudno row, Train 1 column

Train 1

/ 1

- 21 The timetable shows some bus times. How many minutes does Bus 3 take to travel from Merthyr Tydfil to Caernarfon?

Bus timetable

	Bus 1	Bus 2	Bus 3
Merthyr Tydfil	07:25	07:50	08:15
Wrexham	07:37	08:02	08:27
Tenby	07:52	08:17	08:42
Caernarfon	08:02	08:27	08:52
Carmarthen	08:10	08:35	09:00

$08:52 - 08:15 = 37 \text{ minutes}$

37 minutes

/ 1

- 22 Mari goes on holiday on the 4th of April.
She comes home on the 13th of April.
How many nights is she away?

$$13 - 4 = 9$$

9

1 / 1

- 23 The table shows the schedule for an art club day.
How many minutes does Football last?

Art club day schedule

Activity	Start	Finish
Football	10:15	11:05
Pottery	11:05	11:45
Painting	11:45	12:35
Prize giving	12:45	13:05
Tour	13:05	13:45

$$11:05 - 10:15 = 50 \text{ minutes}$$

50 minutes

1 / 1

- 24 The timetable shows some bus times.
How many minutes does Bus 4 take to travel from Brecon to Llanelli?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Brecon	07:15	07:35	08:05	08:20
Aberystwyth	07:27	07:47	08:17	08:32
Llanelli	07:39	07:59	08:29	08:44
Rhyl	07:59	08:19	08:49	09:04
Carmarthen	08:04	08:24	08:54	09:09

$$08:44 - 08:20 = 24 \text{ minutes}$$

24 minutes

1 / 1

- 25 Carys goes on holiday on the 16th of September.
She comes home on the 25th of September.
How many nights is she away?

$$25 - 16 = 9$$

9

1 / 1

- 26 The timetable shows some bus times. A dash (–) means the bus does not stop.
Which bus does not stop at Carmarthen?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Haverfordwest	07:25	07:45	08:05	08:25
Pontypridd	07:37	07:57	08:17	08:37
Carmarthen	07:57	08:17	–	08:57
Merthyr Tydfil	08:17	08:37	08:57	09:17
Neath	08:37	08:57	09:17	09:37

The dash is in the Carmarthen row, Bus 3 column

Bus 3

1 / 1

- 27 The timetable shows some train times.
How many minutes does Train 1 take to travel from Abergavenny to Carmarthen?

Train timetable

	Train 1	Train 2	Train 3
Abergavenny	07:40	08:05	08:50
Cardiff	07:48	08:13	08:58
Carmarthen	07:56	08:21	09:06
Port Talbot	08:01	08:26	09:11
Bridgend	08:16	08:41	09:26

$$07:56 - 07:40 = 16 \text{ minutes}$$

16 minutes

1 / 1

- 28 The infographic shows some facts about a place or event.
Work out the total of cafe meals sold and swimmers.

Leisure centre: one week



$$425 + 700 = 1,125$$

1,125

1 / 1

- 29 Osian goes on holiday on the 11th of February.
He stays for 3 nights.
On what date does he come home?

$$11 + 3 = 14$$

14th of February

1 / 1

- 30 The timetable shows some bus times.
How many minutes does Bus 1 take to travel from Llandudno to Pontypridd?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Wrexham	06:40	07:40	08:40	09:40
Cardiff	06:52	07:52	08:52	09:52
Llandudno	07:00	08:00	09:00	10:00
Brecon	07:12	08:12	09:12	10:12
Pontypridd	07:32	08:32	09:32	10:32

$$07:32 - 07:00 = 32 \text{ minutes}$$

32 minutes

1 / 1

- 31 The infographic shows some facts about a place or event.
Work out the total of classes taking part and plastic bottles.

School recycling week

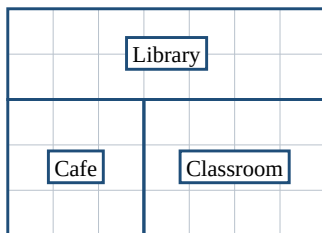


$$21 + 480 = 501$$

501

1 / 1

- 32 The diagram shows the plan of a building drawn on a square grid.
Each square represents 2 metres.
What is the width of the building?



Scale:
1 square
= 2 m

The building is 7 squares wide
 $7 \times 2 = 14 \text{ m}$

14 m

1 / 1

- 33 The timetable shows some bus times.
How many minutes does Bus 1 take to travel from Bridgend to Llanelli?

Bus timetable

	Bus 1	Bus 2	Bus 3
Abergavenny	07:45	08:10	08:50
Bridgend	07:57	08:22	09:02
Merthyr Tydfil	08:17	08:42	09:22
Llanelli	08:32	08:57	09:37

$$08:32 - 07:57 = 35 \text{ minutes}$$

35 minutes

1 / 1

- 34 The calendar shows the month of July 2026.
How many days is it from the 4th of July to the 16th of July?

July 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

$$16 - 4 = 12$$

12 days

1 / 1

- 35 A train leaves Wrexham every 30 minutes.
How many trains leave Wrexham in one hour?

$$60 \div 30 = 2$$

2

1 / 1

- 36 The timetable shows some bus times.
Megan gets to Swansea at 07:20.
She wants to travel to Merthyr Tydfil on the next bus.
At what time does the bus leave Swansea?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Barry	06:45	07:00	07:30	07:45
Bridgend	06:57	07:12	07:42	07:57
Swansea	07:17	07:32	08:02	08:17
Merthyr Tydfil	07:32	07:47	08:17	08:32

07:32 is after 07:20
the first bus after this is 07:32

07:32

1 / 1

- 37 The table shows the schedule for a sports day.
How long is the break between Registration and Lunch?
Give your answer in minutes.

Sports day schedule

Activity	Start	Finish
Games	09:45	10:15
Registration	10:15	10:35
Lunch	11:05	11:40
Painting	11:45	12:20
Workshop 1	12:30	13:05

$$11:05 - 10:35 = 30 \text{ minutes}$$

30 minutes

1

 / 1

- 38 A train leaves Pontypridd every 20 minutes.
How many trains leave Pontypridd in one hour?

$$60 \div 20 = 3$$

3

1

 / 1

- 39 The timetable shows some train times.
Ioan gets to Llandudno at 07:45.
He wants to travel to Bangor on the next train.
At what time does the train leave Llandudno?

Train timetable

	Train 1	Train 2	Train 3	Train 4
Llandudno	07:10	07:30	07:50	08:10
Wrexham	07:18	07:38	07:58	08:18
Neath	07:38	07:58	08:18	08:38
Bangor	07:50	08:10	08:30	08:50

07:50 is after 07:45
the first train after this is 07:50

07:50

1

 / 1

- 40 The infographic shows some facts about a place or event.
What is the difference between the number of litres of fuel and the number of journeys made?

Bus service: one day

$$315 - 34 = 281$$

281

1 / 1

- 41 The calendar shows the month of August 2028.
The dates of the swimming gala and the exam are shaded.
How many days after the swimming gala is the exam?

August 2028

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

$$31 - 9 = 22$$

22 days

2 / 2

- 42 The timetable shows some bus times.
Rhian gets to Rhyl at 08:50.
She wants to travel to Caernarfon on the next bus.
At what time does the bus leave Rhyl?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Rhyl	08:05	08:20	08:55	09:15
Bangor	08:17	08:32	09:07	09:27
Builth Wells	08:22	08:37	09:12	09:32
Caernarfon	08:32	08:47	09:22	09:42

08:55 is after 08:50
the first bus after this is 08:55

08:55

2 / 2

- 43 The table shows the schedule for a sports day.
How long is the break between Workshop 2 and Workshop 1?
Give your answer in minutes.

Sports day schedule

Activity	Start	Finish
Welcome talk	09:30	10:05
Painting	10:05	11:00
Football	11:10	12:00
Workshop 2	12:00	12:50
Workshop 1	13:20	14:00

$$13:20 - 12:50 = 30 \text{ minutes}$$

30 minutes

2 / 2

- 44 The calendar shows the month of September 2026.
The dates of the school trip and the parents evening are shaded.
How many days after the school trip is the parents evening?

September 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

$$23 - 7 = 16$$

16 days

2 / 2

- 45 The timetable shows some bus times.
Callum gets to Abergavenny at 10:00.
He wants to travel to Bridgend on the next bus.
At what time does the bus leave Abergavenny?

Bus timetable

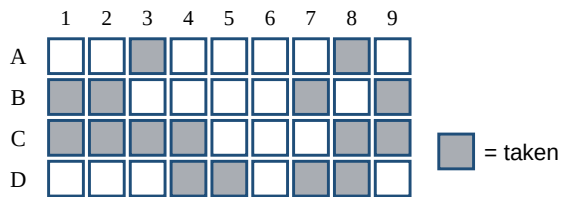
	Bus 1	Bus 2	Bus 3	Bus 4
Mold	07:15	08:15	09:15	10:15
Barry	07:23	08:23	09:23	10:23
Abergavenny	07:31	08:31	09:31	10:31
Bridgend	07:36	08:36	09:36	10:36

10:31 is after 10:00
the first bus after this is 10:31

10:31

2 / 2

- 46 The plan shows the seats in a small theatre. Seats that are taken are shaded grey.
How many seats are free?



$$\text{Seats in total} = 4 \times 9 = 36$$

$$36 - 16 = 20$$

20

 / 2

- 47 The timetable shows some bus times.
Iolo arrives at the Merthyr Tydfil stop at 09:26.
How many minutes must he wait for the next bus?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Pontypridd	08:25	08:45	09:05	09:25
Aberystwyth	08:33	08:53	09:13	09:33
Merthyr Tydfil	08:53	09:13	09:33	09:53
Llandudno	09:01	09:21	09:41	10:01

$$\text{Next bus is at } 09:33$$

$$09:33 - 09:26 = 7 \text{ minutes}$$

7 minutes

 / 2

- 48 The timetable shows some bus times.
Ceri gets to Brecon at 08:09.
She wants to travel to Merthyr Tydfil on the next bus.
At what time does the bus leave Brecon?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Brecon	08:05	08:35	09:05	09:35
Abergavenny	08:13	08:43	09:13	09:43
Merthyr Tydfil	08:21	08:51	09:21	09:51
Port Talbot	08:33	09:03	09:33	10:03

08:35 is after 08:09
the first bus after this is 08:35

08:35

 / 2

- 49 The concert starts at 16:55 and lasts 1 hour 50 minutes.
Write the finishing time using am or pm.

$$16:55 + 1 \text{ hour } 50 \text{ minutes} = 18:45 = 6:45 \text{ pm}$$

6:45 pm

2 / 2

- 50 The timetable shows some bus times.
Owen arrives at the Rhyl stop at 08:50.
How many minutes must he wait for the next bus?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Cardiff	07:35	07:55	08:40	09:05
Rhyl	07:40	08:00	08:45	09:10
Neath	07:50	08:10	08:55	09:20
Haverfordwest	08:00	08:20	09:05	09:30

Next bus is at 09:10

$$09:10 - 08:50 = 20 \text{ minutes}$$

20 minutes

2 / 2

- 51 The table shows three films at a cinema.
At what time does Space Pups end?

Cinema

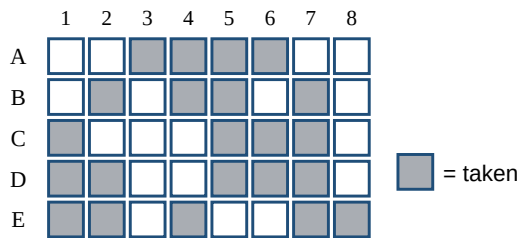
Film	Starts	Length
The Big Match	13:15	85 min
Space Pups	15:45	85 min
Ocean Park	18:30	105 min

$$15:45 + 85 \text{ minutes} = 17:10$$

17:10

2 / 2

- 52 The plan shows the seats in a small theatre. Seats that are taken are shaded grey.
How many seats are free?



$$\text{Seats in total} = 5 \times 8 = 40$$

$$40 - 22 = 18$$

18

2 / 2

- 53 The concert starts at 20:20 and lasts 50 minutes.
Write the finishing time using am or pm.

$$20:20 + 50 \text{ minutes} = 21:10 = 9:10 \text{ pm}$$

9:10 pm

2 / 2

- 54 The timetable shows some bus times.
Jon arrives at the Haverfordwest stop at 11:25.
How many minutes must he wait for the next bus?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Bangor	08:20	09:20	10:20	11:20
Carmarthen	08:28	09:28	10:28	11:28
Haverfordwest	08:43	09:43	10:43	11:43
Port Talbot	08:53	09:53	10:53	11:53

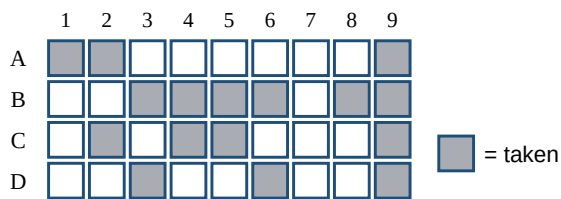
$$\text{Next bus is at } 11:43$$

$$11:43 - 11:25 = 18 \text{ minutes}$$

18 minutes

2 / 2

- 55 The plan shows the seats in a small theatre. Seats that are taken are shaded grey.
How many seats are free?



$$\text{Seats in total} = 4 \times 9 = 36$$

$$36 - 16 = 20$$

20

2 / 2

- 56 The film starts at 14:45 and lasts 35 minutes.
Write the finishing time using am or pm.

$$14:45 + 35 \text{ minutes} = 15:20 = 3:20 \text{ pm}$$

3:20 pm

2 / 2

- 57 The table shows the ticket prices for the Aquarium.
A group buys tickets for 1 adult and 4 children.
Work out the total cost of the tickets.

Aquarium ticket prices

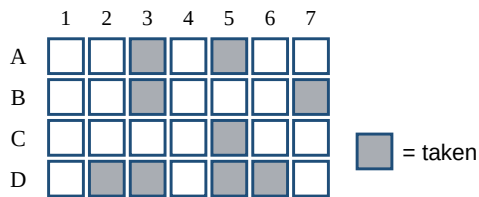
Ticket	Price
Adult	£15
Child	£6
Senior	£14

$$1 \times 15 + 4 \times 6 = 39$$

£39

2 / 2

- 58 The plan shows the seats in a small theatre. Seats that are taken are shaded grey.
How many seats are free?



$$\text{Seats in total} = 4 \times 7 = 28$$

$$28 - 9 = 19$$

19

2 / 2

- 59 The table shows the length of each activity at a sports day.
The activities follow each other with no breaks.
Work out the total time of all the activities, in hours and minutes.

Sports day plan

Activity	Start	Length
Welcome talk	09:45	30 min
Tour	—	50 min
Singing	—	25 min
Registration	—	10 min

$$30 + 50 + 25 + 10 = 115 \text{ minutes} = 1 \text{ hour } 55 \text{ minutes}$$

1 hour 55 minutes

2 / 2

- 60 The calendar shows the month of June 2026.
Dafydd hires a DVD on the 12th of June. It must be returned after 1 week and 3 days.
What is the date it must be returned?

June 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

$$1 \text{ weeks} = 7 \text{ days}$$

$$12 + 7 + 3 = 22$$

22nd of June

2 / 2

- 61 The timetable shows some bus times.
 Bus 3 should arrive at Port Talbot at the time shown in the timetable.
 It actually arrives at 09:28.
 How many minutes late is Bus 3?

Bus timetable

	Bus 1	Bus 2	Bus 3
Haverfordwest	07:50	08:15	08:40
Aberystwyth	08:00	08:25	08:50
Brecon	08:05	08:30	08:55
Port Talbot	08:13	08:38	09:03

$$09:28 - 09:03 = 25 \text{ minutes}$$

25 minutes

2 / 2

- 62 The table shows the length of each activity at a science day.
 The activities follow each other with no breaks.
 Work out the total time of all the activities, in hours and minutes.

Science day plan

Activity	Start	Length
Workshop 1	09:45	60 min
Presentation	–	40 min
Painting	–	45 min
Pottery	–	45 min

$$60 + 40 + 45 + 45 = 190 \text{ minutes} = 3 \text{ hours } 10 \text{ minutes}$$

3 hours 10 minutes

2 / 2

- 63 The calendar shows the month of October 2027.
 Nia starts a project on the 2nd of October. It must be finished after 1 week.
 What is the date it must be finished?

October 2027

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

$$1 \text{ weeks} = 7 \text{ days}$$

$$2 + 7 = 9$$

9th of October

2 / 2

- 64 The timetable shows some bus times.
 Bus 1 should arrive at Tenby at the time shown in the timetable.
 It actually arrives at 08:55.
 How many minutes late is Bus 1?

Bus timetable

	Bus 1	Bus 2	Bus 3
Merthyr Tydfil	08:20	08:40	09:00
Aberystwyth	08:25	08:45	09:05
Builth Wells	08:33	08:53	09:13
Tenby	08:45	09:05	09:25

$$08:55 - 08:45 = 10 \text{ minutes}$$

10 minutes

2 / 2

- 65 The table shows two activities at a fun day.
 Iolo wants to go to both activities.
 Can he go to both? Give a reason for your answer.

Activity	Start	Finish
Tour 1	12:15	13:45
Show 2	13:55	14:25

Yes, because Tour 1 finishes at 13:45, before or when Show 2 starts at 13:55

2 / 2

- 66 The calendar shows the month of November 2028.
 Lowri starts a project on the 11th of November. It must be finished after 1 week.
 What is the date it must be finished?

November 2028

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

$$1 \text{ weeks} = 7 \text{ days}$$

$$11 + 7 = 18$$

18th of November

2 / 2

- 67 The timetable shows some train times.
Train 1 should arrive at Aberystwyth at the time shown in the timetable.
It actually arrives at 08:32.
How many minutes late is Train 1?

Train timetable

	Train 1	Train 2	Train 3
Cardiff	07:20	07:40	08:00
Conwy	07:32	07:52	08:12
Abergavenny	07:52	08:12	08:32
Aberystwyth	08:12	08:32	08:52

$$08:32 - 08:12 = 20 \text{ minutes}$$

20 minutes

2 / 2

- 68 The table shows two activities at a fun day.
Gwen wants to go to both activities.
Can she go to both? Give a reason for your answer.

Activity	Start	Finish
Demonstration 1	12:00	13:15
Quiz 2	13:30	14:30

Yes, because Demonstration 1
finishes at 13:15, before or when
Quiz 2 starts at 13:30

2 / 2

- 69 The calendar shows the month of January 2026.
Amira hires a DVD on the 2nd of January. It must be returned after 2 weeks.
What is the date it must be returned?

January 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

$$2 \text{ weeks} = 14 \text{ days}$$

$$2 + 14 = 16$$

16th of January

2 / 2

- 70** The rota shows the shifts for four workers. E = early shift (6 am to 2 pm), L = late shift (2 pm to 10 pm), – = day off.
Each shift is 8 hours long.
How many hours does Gwen work in the week?

Weekly rota

Name	Mon	Tue	Wed	Thu	Fri	Sat
Tomos	L	L	L	L	L	–
Owen	E	L	E	L	E	E
Gwen	E	–	L	L	E	E
Sian	E	E	E	L	L	E

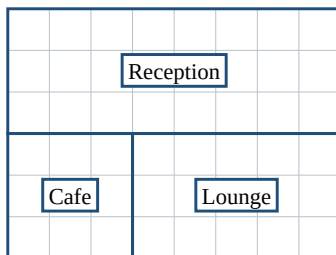
Gwen works 5 shifts

$$5 \times 8 = 40$$

40 hours

 / 2

- 71** The diagram shows the plan of a building drawn on a square grid.
Each square represents 2 metres.
How much wider is the Lounge than the Cafe?



Scale:
1 square
= 2 m

$$5 - 3 = 2 \text{ squares}$$

$$2 \times 2 = 4 \text{ m}$$

4 m

 / 2

- 72** Sian catches the train at 7:05 am.
It takes her 10 minutes to walk to the station.
At what time must she leave home at the latest? Use am or pm in your answer.

$$7:05 \text{ am} - 10 \text{ minutes} = 6:55 \text{ am}$$

6:55 am

 / 2

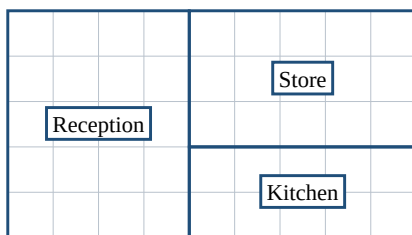
- 73 The table shows two activities at a fun day.
Ceri wants to go to both activities.
Can she go to both? Give a reason for your answer.

Activity	Start	Finish
Quiz 1	11:30	12:00
Talk 2	12:00	12:30

Yes, because Quiz 1 finishes at 12:00, before or when Talk 2 starts at 12:00

2 / 2

- 74 The diagram shows the plan of a building drawn on a square grid.
Each square represents 5 metres.
How much wider is the Kitchen than the Reception?



Scale:
1 square
= 5 m

$$5 - 4 = 1 \text{ squares}$$

$$1 \times 5 = 5 \text{ m}$$

5 m

2 / 2

- 75 Amira catches the train at 7:10 am.
It takes her 12 minutes to walk to the station.
At what time must she leave home at the latest? Use am or pm in your answer.

$$7:10 \text{ am} - 12 \text{ minutes} = 6:58 \text{ am}$$

6:58 am

2 / 2

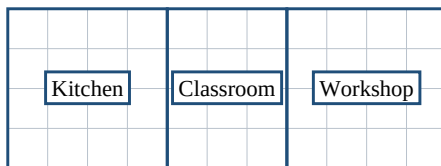
- 76 The table shows two activities at a fun day.
Priya wants to go to both activities.
Can she go to both? Give a reason for your answer.

Activity	Start	Finish
Game 1	10:45	12:15
Lesson 2	12:15	12:45

Yes, because Game 1 finishes at 12:15, before or when Lesson 2 starts at 12:15

3 / 3

- 77 The diagram shows the plan of a building drawn on a square grid.
Each square represents 2 metres.
How much wider is the Kitchen than the Classroom?



Scale:
1 square
= 2 m

$$4 - 3 = 1 \text{ squares}$$

$$1 \times 2 = 2 \text{ m}$$

2 m

3 / 3

- 78 The calendar shows the month of July 2026.
The dates of the birthday party and the holiday are shaded.
Write the time between the birthday party and the holiday in weeks and days.

July 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

$$31 - 8 = 23 \text{ days}$$

$$23 \div 7 = 3 \text{ weeks remainder } 2$$

3 weeks and 2 days

3 / 3

- 79 The table shows two activities at a fun day.
Nia wants to go to both activities.
Can she go to both? Give a reason for your answer.

Activity	Start	Finish
Workshop 1	10:30	11:45
Talk 2	12:05	13:05

Yes, because Workshop 1 finishes at 11:45, before or when Talk 2 starts at 12:05

3 / 3

- 80 The timetable shows some train times.
Bethan must be at Merthyr Tydfil by 07:57.
She travels from Port Talbot on the latest train possible.
At what time does the train leave Port Talbot?

Train timetable

	Train 1	Train 2	Train 3	Train 4
Haverfordwest	06:55	07:25	08:10	08:45
Barry	07:05	07:35	08:20	08:55
Port Talbot	07:10	07:40	08:25	09:00
Merthyr Tydfil	07:20	07:50	08:35	09:10

Train 2 arrives at Merthyr Tydfil at 07:50, before 07:57 the next one arrives at 08:35 which is too late

07:40

3 / 3

- 81 The timetable shows some bus times. A dash (–) means the bus does not stop.
Callum wants to get off at Conwy.
He needs to arrive after 08:54.
At what time is the first bus that stops at Conwy and arrives after 08:54?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Llandudno	07:45	08:10	08:35	09:00
Aberystwyth	08:05	08:30	08:55	09:20
Rhyl	08:15	08:40	09:05	09:30
Conwy	08:25	–	09:15	09:40
Neath	08:40	09:05	09:30	09:55

Ignore the dashes the first time after 08:54 in the Conwy row is 09:15

09:15

3 / 3

- 82 Ceri catches the train at 08:00.
It takes her 25 minutes to walk to the station.
She wants to get there 10 minutes before the train leaves.
What is the latest time she can leave home?

$$08:00 - 25 - 10 = 07:25$$

07:25

3 / 3

- 83 The timetable shows some bus times.
Leah must be at Wrexham by 06:54.
She travels from Tenby on the latest bus possible.
At what time does the bus leave Tenby?

Bus timetable

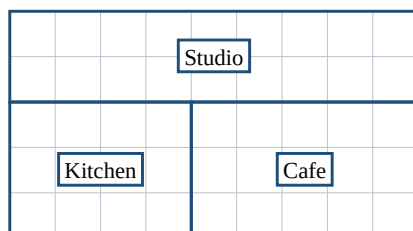
	Bus 1	Bus 2	Bus 3	Bus 4
Tenby	06:15	06:30	07:00	07:20
Bangor	06:30	06:45	07:15	07:35
Wrexham	06:42	06:57	07:27	07:47
Bridgend	06:52	07:07	07:37	07:57

Bus 1 arrives at Wrexham at 06:42,
before 06:54
the next one arrives at 06:57 which
is too late

06:15

3 / 3

- 84 The diagram shows the plan of a building drawn on a square grid. Each square represents 3 metres.
Work out the perimeter of the Cafe.



Scale:
1 square
= 3 m

$$2 \times (15 + 9) = 48 \text{ m}$$

48 m

3 / 3

- 85 The table shows the ticket prices for the Aquarium.
A group buys tickets for 2 adults and 3 children.
They pay with £50.
How much change do they get?

Aquarium ticket prices

Ticket	Price
Adult	£14
Child	£7
Senior	£11

$$\text{Total} = £49$$

$$£50 - £49 = £1$$

£1

3 / 3

- 86 The timetable shows some bus times.
Nia must be at Brecon by 08:30.
She travels from Swansea on the latest bus possible.
At what time does the bus leave Swansea?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Swansea	07:40	08:10	08:40	09:10
Tenby	07:55	08:25	08:55	09:25
Conwy	08:03	08:33	09:03	09:33
Brecon	08:23	08:53	09:23	09:53

Bus 1 arrives at Brecon at 08:23,
before 08:30
the next one arrives at 08:53 which
is too late

07:40

3 / 3

- 87 Dafydd catches Bus 1 from Barry to Tenby, then the first train he can catch from Tenby
to Newport.
At what time does he arrive at Newport?

Bus: Barry to Tenby

	Bus 1	Bus 2	Bus 3
Departs	07:00	07:30	07:40
Arrives	07:35	08:05	08:15

Train: Tenby to Newport

	Train 1	Train 2	Train 3
Departs	07:30	07:50	07:55
Arrives	08:05	08:25	08:30

Bus 1 arrives at 07:35
first train after this leaves at 07:50
arrives 08:25

08:25

3 / 3

- 88** Owen plans a revision session that starts at 10:00.
He works on Art for 40 minutes, Geography for 35 minutes and Welsh for 25 minutes.
There is a break of 15 minutes between each subject.
Complete the revision plan.

Subject	Start	Finish
Art	10:00	10:40
Geography	10:55	11:30
Welsh	11:45	12:10

Welsh: 11:45 to 12:10 (add 15 minute break each time)

Art: 10:00 to 10:40; Geography: 10:55 to 11:30; Welsh: 11:45 to 12:10

3 / 3

- 89** The timetable shows some bus times.
Bethan must be at Abergavenny by 07:51.
She travels from Mold on the latest bus possible.
At what time does the bus leave Mold?

Bus timetable

	Bus 1	Bus 2	Bus 3	Bus 4
Mold	06:30	07:30	08:30	09:30
Abergavenny	06:45	07:45	08:45	09:45
Port Talbot	06:55	07:55	08:55	09:55
Tenby	07:05	08:05	09:05	10:05

Bus 2 arrives at Abergavenny at 07:45, before 07:51
the next one arrives at 08:45
which is too late

07:30

3 / 3

- 90** The table shows the schedule for a summer fair.
Each activity starts when the one before it finishes.
Complete the three empty boxes in the schedule.

Summer fair schedule

Activity	Start	Length	Finish
Singing	10:30	40 min	11:10
Welcome talk	11:10	35 min	11:45
Presentation	11:45	35 min	12:20
Football	12:20	50 min	13:10

Welcome talk starts when the one before finishes: 11:10

Presentation finish: 11:45 + 35 min = 12:20

Football length: 12:20 to 13:10 = 50 min

11:10, 12:20, 50 min

3 / 3

- 91** Rhian plans a revision session that starts at 09:00. She works on French for 45 minutes, Art for 45 minutes and Welsh for 30 minutes. There is a break of 10 minutes between each subject. Complete the revision plan.

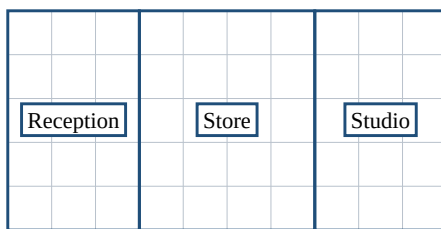
Subject	Start	Finish
French	09:00	09:45
Art	09:55	10:40
Welsh	10:50	11:20

Welsh: 10:50 to 11:20 (add 10 minute break each time)

French: 09:00 to 09:45; Art: 09:55 to 10:40; Welsh: 10:50 to 11:20

3 / 3

- 92** The diagram shows the plan of a building drawn on a square grid. Each square represents 1 metre. Carpet costs £8 per square metre. Work out the cost of carpet for the floor of the Store.



Scale:
1 square
= 1 m

$$\text{Area} = 4 \times 5 = 20 \text{ m}^2$$

$$20 \times \text{£}8 = \text{£}160$$

£160

3 / 3

- 93** The table shows the schedule for a school trip. Each activity starts when the one before it finishes. Complete the three empty boxes in the schedule.

School trip schedule

Activity	Start	Length	Finish
Quiz	09:45	35 min	10:20
Tour	10:20	30 min	10:50
Swimming	10:50	50 min	11:40
Singing	11:40	35 min	12:15
Lunch	12:15	50 min	13:05

Quiz finish: $09:45 + 35 \text{ min} = 10:20$
 Swimming finish: $10:50 + 50 \text{ min} = 11:40$
 Lunch starts when the one before finishes: 12:15

10:20, 11:40, 12:15

3 / 3

- 94 Carys plans a revision session that starts at 10:15. She works on Geography for 40 minutes, Welsh for 45 minutes and French for 35 minutes. There is a break of 15 minutes between each subject. Complete the revision plan.

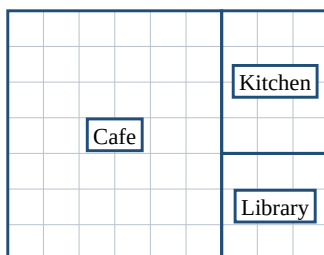
Subject	Start	Finish
Geography	10:15	10:55
Welsh	11:10	11:55
French	12:10	12:45

French: 12:10 to 12:45 (add 15 minute break each time)

Geography: 10:15 to 10:55; Welsh: 11:10 to 11:55; French: 12:10 to 12:45

3 / 3

- 95 The diagram shows the plan of a building drawn on a square grid. Each square represents 5 metres. Carpet costs £20 per square metre. Work out the cost of carpet for the floor of the Kitchen.



Scale:
1 square
= 5 m

$$\begin{aligned} \text{Area} &= 15 \times 20 = 300 \text{ m}^2 \\ 300 \times \text{£}20 &= \text{£}6,000 \end{aligned}$$

£6,000

3 / 3

- 96 The table shows the schedule for a charity fun day. Each activity starts when the one before it finishes. Complete the three empty boxes in the schedule.

Charity fun day schedule

Activity	Start	Length	Finish
Workshop 2	10:15	60 min	11:15
Pottery	11:15	60 min	12:15
Prize giving	12:15	20 min	12:35
Swimming	12:35	45 min	13:20

Pottery length: 11:15 to 12:15 = 60 min

Prize giving length: 12:15 to 12:35 = 20 min

Swimming finish: 12:35 + 45 min = 13:20

60 min, 20 min, 13:20

3 / 3

- 97 Carys catches Bus 1 from Wrexham to Conwy, then the first train she can catch from Conwy to Cardiff.

Work out the total time of the journey, from leaving Wrexham to arriving at Cardiff.

Give your answer in hours and minutes.

Bus: Wrexham to Conwy

	Bus 1	Bus 2	Bus 3
Departs	07:45	08:05	08:25
Arrives	08:25	08:45	09:05

Train: Conwy to Cardiff

	Train 1	Train 2	Train 3
Departs	08:15	08:35	08:50
Arrives	08:50	09:10	09:25

07:45 to 09:10 is $09:10 - 07:45 = 85 \text{ minutes} =$

1 hour 25 minutes

1 hour 25 minutes

3 / 3

- 98 The table shows the schedule for a science day.
Each activity starts when the one before it finishes.
Complete the three empty boxes in the schedule.

Science day schedule

Activity	Start	Length	Finish
Lunch	11:00	35 min	<i>11:35</i>
Welcome talk	11:35	<i>25 min</i>	12:00
Pottery	12:00	40 min	12:40
Games	<i>12:40</i>	50 min	13:30

Lunch finish: $11:00 + 35 \text{ min} = 11:35$

Welcome talk length: $11:35 \text{ to } 12:00 = 25 \text{ min}$

Games starts when the one before finishes: $12:40$

11:35, 25 min, 12:40

3 / 3

- 99 Gwen catches Bus 1 from Llanelli to Mold, then the first train she can catch from Mold to Neath.

Work out the total time of the journey, from leaving Llanelli to arriving at Neath.

Give your answer in hours and minutes.

Bus: Llanelli to Mold

	Bus 1	Bus 2	Bus 3
Departs	07:35	08:05	08:15
Arrives	07:55	08:25	08:35

Train: Mold to Neath

	Train 1	Train 2	Train 3
Departs	08:25	08:45	08:55
Arrives	08:55	09:15	09:25

07:35 to 08:55 is $08:55 - 07:35 = 80 \text{ minutes}$

= 1 hour 20 minutes

1 hour 20 minutes

3 / 3

100 Dylan catches Bus 1 from Bridgend to Haverfordwest, then the first train he can catch from Haverfordwest to Neath.
Work out the total time of the journey, from leaving Bridgend to arriving at Neath.
Give your answer in hours and minutes.

Bus: Bridgend to Haverfordwest

	Bus 1	Bus 2	Bus 3
Departs	07:50	08:10	08:50
Arrives	08:15	08:35	09:15

Train: Haverfordwest to Neath

	Train 1	Train 2	Train 3
Departs	08:20	08:30	08:45
Arrives	08:50	09:00	09:15

*07:50 to 08:50 is $08:50 - 07:50 = 60$ minutes
= 1 hour*

1 hour

3 / 3