

Reasoning and Problem Solving

Step 2: Dates

National Curriculum Objectives:

Mathematics Year 1: (1M4b) [Sequence events in chronological order using language \[for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening\]](#)

Mathematics Year 1: (1M4c) [Recognise and use language relating to dates, including days of the week, weeks, months and years](#)

Differentiation:

Questions 1, 4 and 7 (Reasoning)

Developing Explain whether statements about a day of the week/month of the year are correct. Statements include the word 'after'.

Expected Explain whether statements about a day of the week/month of the year are correct. Statements include the words 'yesterday' and 'tomorrow'.

Greater Depth Explain whether statements about a day of the week/month of the year are correct. Statements include the words 'yesterday', 'tomorrow', 'before' and 'after'.

Questions 2, 5 and 8 (Reasoning)

Developing Use a calendar to work out the day after a given date. Explain reasoning.

Expected Use a calendar to work out how many of a given day fall in a given month. Explain reasoning.

Greater Depth Use a calendar to work out how many of two given days fall in a given month. Explain reasoning.

Questions 3, 6 and 9 (Problem Solving)

Developing Find 3 ways to complete a sentence about the days of the week/months of the year. The sentence uses the word 'after' and a word bank is given.

Expected Find 3 ways to complete a sentence about the days of the week/months of the year. The sentence uses the words 'before' and 'after' and a word bank is given.

Greater Depth Find 3 ways to complete a sentence about the days of the week/months of the year. The sentence uses the words 'before' and 'after'. No word bank is given.

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Dates

1a. Joe says,

My birthday is on Saturday. I am having my party the day after my birthday. My party is on Friday.



Is Joe correct? Explain your answer.



R

Dates

1b. Esme says,

November is nearly over. I think the month after November is October.



Is Esme correct? Explain your answer.



R

2a. School closes on 26th March. Beth is going on holiday the day after. What day is she going on holiday?

March						
Mon	Tues	Wed	Thur	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				

Convince me.



R

2b. Max is playing football the day after 6th June. What day is he playing football?

June						
Mon	Tues	Wed	Thur	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					

Convince me.



R

3a. Find 3 different ways to complete the sentence below using the word bank.

Monday

Friday

Sunday

Saturday

_____ is the day after _____.



PS

3b. Find 3 different ways to complete the sentence below using the word bank.

December

November

January

February

_____ is the month after _____.



PS

Dates

4a. Milly says,

Today is Thursday. Yesterday we went to the park. We went to the park on Friday.



Is Milly correct? Explain your answer.



R

Dates

4b. Zac says,

Today is Friday. Tomorrow we are going swimming. We are going swimming on Sunday.



Is Zac correct? Explain your answer.



R

5a. Yasmin goes to art club every Wednesday. She thinks she will go 4 times in March. Is she correct?

March						
Mon	Tues	Wed	Thur	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				

Convince me.



R

5b. Mia goes to chess club every Friday. She thinks she will go 5 times in June. Is she correct?

June						
Mon	Tues	Wed	Thur	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					

Convince me.



R

6a. Find 3 different ways to complete the sentence below using the word bank.

Monday

Tuesday

Sunday

Wednesday

Thursday

Friday

_____ is before _____ but

after _____.



PS

6b. Find 3 different ways to complete the sentence below using the word bank.

October

November

September

December

August

July

_____ is before _____ but

after _____.



PS

Dates

7a. Anika says,

Today it is Sunday. The day after tomorrow is my birthday. My birthday is on Monday.



Is Anika correct? Explain your answer.



R

Dates

7b. Fred says,

Today it is Monday. The day before yesterday it snowed. It snowed on Saturday.



Is Fred correct? Explain your answer.



R

8a. Asif plays rugby on Wednesdays and Fridays. He thinks he will have 8 matches in October. Is he correct?

October						
Mon	Tues	Wed	Thur	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	

Convince me.



R

8b. Kate plays football on Tuesdays and Saturdays. She thinks she will have 10 matches in September. Is she correct?

September						
Mon	Tues	Wed	Thur	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

Convince me.



R

9a. Find 3 different ways to complete the sentence below using the days of the week.

_____ is before _____ but after _____.



PS

9b. Find 3 different ways to complete the sentence below using the months of the year..

_____ is before _____ but after _____.



PS

Developing

- 1a. Joe is not correct. The day after Saturday is Sunday.
- 2a. 26th March is a Friday so the day after is Saturday 27th March.
- 3a. Various possible answers, for example: Saturday is the day after Friday.

Expected

- 4a. Milly is not correct. The day before Thursday is Wednesday.
- 5a. Yasmin is not correct. There are 5 Wednesdays in March. They are 3rd, 10th, 17th, 24th and 31st March.
- 6a. Various possible answers, for example: Wednesday is before Thursday but after Tuesday.

Greater Depth

- 7a. Anika is not correct. If it is Sunday, tomorrow is Monday and the day after is Tuesday.
- 8a. Asif is not correct. There are 4 Wednesdays and 5 Fridays, which makes 9 days altogether.
- 9a. Various possible answers, for example: Tuesday is before Wednesday but after Monday.

Developing

- 1b. Esme is not correct. The month after November is December.
- 2b. The 6th June is a Saturday so the day after is Sunday 7th June.
- 3b. Various possible answers, for example: February is the month after January.

Expected

- 4b. Zac is not correct. The day after Friday is Saturday.
- 5b. Mia is not correct. There are 4 Fridays in June. They are 5th, 12th, 19th and 26th June.
- 6b. Various possible answers, for example: September is before October but after August.

Greater Depth

- 7b. Fred is correct. If today is Monday, yesterday was Sunday and the day before was Saturday.
- 8b. Kate is not correct. There are 4 Tuesdays and 5 Saturdays, which makes 9 days altogether.
- 9b. Various possible answers, for example: October is before November but after September.