Homework/Extension
Step 1: Months and Years

National Curriculum Objectives:

Mathematics Year 3: (3M4e) Know the number of seconds in a minute and the number of days in each month, year and leap year

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Identify the month using the number of days provided. Using the number of days in each month, year and leap year.
Expected Identify possible months using the number of days provided. Using the number of days in each month, year and leap year in different formats.
Greater Depth Identify consecutive months using the number of days provided. Using the number of days in each multiple months, years and leap years in different formats.

Questions 2, 5 and 8 (Varied Fluency)
Developing Sort statements into true or false columns. Using the number of days in each month, year and leap year.
Expected Sort statements into true or false columns. Using the number of days in each month, year and leap year in different formats.
Greater Depth Sort statements into true or false columns. Using the number of days in each multiple months, years and leap years in different formats.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Find different combinations of months using the number of days provided. Using the number of days in each month, year and leap year.
Expected Find different combinations of months using the number of days provided. Using the number of days in each month, year and leap year in different formats.
Greater Depth Find different combinations of months using the number of days provided. Using the number of days in each multiple months, years and leap years in different formats.

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Months and Years

1. This calendar has been torn and the month name is missing.

Mon	Tues	Wed	Thurs	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			

Identify the month it is showing.

⭐D

2. Sort the statements into the table.

A. There are 366 days in a leap year.

B. November has 31 days.

C. There are 12 months in a year.

D. August is the second month of the year.

True	False

⭐D

3. Sami is thinking of a month.

There are 31 days in this month.

This month is between September and November.

What month is Sami thinking of? Explain your answer.

⭐D

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Homework/Extension – Months and Years – Year 3 Developing

Months and Years

4. This calendar has been torn and the month name is missing.

Mon	Tues	Wed	Thurs	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			

Identify two months it could be showing.

☆E   VF
                                                                   HW/Ext

5. Sort the statements into the table.

A. The date after the 30ᵗʰ September is 31ˢᵗ September.

B. There are 61 days from 1ˢᵗ March to 1ˢᵗ May.

C. There are 8 months that have 31 days.

D. The date 29ᵗʰ February only occurs on a leap year.

True	False

☆E   VF
                                                                   HW/Ext

6. Tamsin is thinking of a month.

There are 30 days in this month.

This month is between the 6ᵗʰ and 12ᵗʰ months of the year.

This month is in autumn.

Write two possibilities that Tamsin's month could be. Explain your answer.

☆E   RPS
                                                                   HW/Ext

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Homework/Extension – Months and Years – Year 3 Expected

Months and Years

7. This calendar has been torn and the month name is missing.

Mon	Tues	Wed	Thurs	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

Identify two consecutive months it could be showing.

GD

VF
HW/Ext

8. Sort the statements into the table.

A. There were 3 leap years between 2007 and 2017.

B. There are 30 days in the month before November.

C. March, April and May have 91 days combined.

D. All months have at least 31 days.

True	False

GD

VF
HW/Ext

9. Sahil is thinking of a month.

The 1st day of this month is a Tuesday and the last day is a Thursday.

The total number of days including the month before and after is 90.

This month is in winter.

What month is Sahil thinking of? Explain your answer.

GD

RPS
HW/Ext

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Homework/Extension
Months and Years

Developing

1. February
2. True – A and C; False – B and D
3. October. Various possible explanations, for example; October is between September and November and it has 31 days.

Expected

4. Various possible answers, for example; April, June, September or November
5. True – B and D; False – A and C
6. September and November. Various possible explanations, for example; Both September and November are autumn months and they both have 30 days.

Greater Depth

7. July and August; December and January
8. True – A and C; False – B and D
9. January. Various possible explanations, for example; There are 31 days in January and it is a winter month. The month before January is December which has 31 days and the month after January is February which has 28 days. The three months combined equal 90 days.