Year 3 Summer 2 Week 3

Calendar Chaos

Activity 1

Calendar Chaos

To solve a problem involving comparing and sequencing intervals of time.

These calendar pages are muddled up and we cannot tell which month is which. Can you cut them out and put them in the correct order? Some of them have been done for you.

M	T	W	T	F	S	S
						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					

M	T	W	T	F	S	S
				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	

M	T	W	T	F	S	S
	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		

M	T	W	T	F	S	S
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				

M	T	W	T	F	S	S
		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					

M	T	W	T	F	S	S
	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			

M	T	W	T	F	S	S
					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

M	T	W	T	F	S	S
	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			

M	T	W	T	F	S	S
				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

M	T	W	T	F	S	S
			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		

M	T	W	T	F	S	S
					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						

M	T	W	T	F	S	S
						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					

Top tip! Find February first.

Activity 2

1) Use the numbers to fill in the gaps, completing the sentences.
   There is one number that will not be needed.

There are [ ] months in a year.

There are [ ] months in two years.

There are [ ] days in a fortnight.

There are [ ] years in a decade.

10

7

12

14

24

2) Which of the months total 61 days? There are 2 possible answers.

February and May

August and June

July and January

The fourth and fifth month of the year.

3) When is the next leap year after 2024? _____

4) Look at the dates. If each date was a week earlier, what would the dates be?
Use a calendar if needed.

Date	One Week Later
20th March 2020	
23rd February 2020	
30th April 2020	

Hint:
2020 is a
leap year.

3 Here is a calendar from December 2016

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			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	

a) What day of the week was 25 December in 2016?

_____

b) Jack's birthday is on 17 December.

What day of the week was his birthday in 2016?

_____

c) How many days are there between Jack's birthday and Boxing Day?

_____

d) What day of the week was New Year's Day in 2017?

_____

e) What was the date on the last Thursday of November 2016?

_____

Activity 3

1) Which month is the odd one out? Use reasoning to explain your choice.

| September | June | May | November | April |

_____

_____

3) Four friends in Year 3 are discussing birthdays.

Alma		I was born a week after Carlos.	
Bernard		I was born on the 13th of June.	
Carlos		I was born on the 30th of April.	
Damien		I am a fortnight older than Bernard.	

a) Calculate the birthday of each child.

b) Order the children from youngest to oldest.

| Youngest | | Oldest |

6 Jack, Eva, Whitney and Ron were all born in the same year.

Jack

My birthday is between Eva's and Ron's.

Whitney

I am the oldest.

I am older than Ron.

Eva

Match the birthday to the child.

Jack	Eva	Ron	Whitney

2 November   31 January   15 June   4 May

7 Huan, Dani and Filip are counting up in different numbers of days.

Huan starts on 1 July and counts in 2s.

Dani starts on 31 May and counts in 5s.

Filip starts on 30 May and counts in 3s.

Who will reach August first?   _____

May							June							July							August		
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14			
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21			
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28			
29	30	31					29	30						29	30	31							

ANSWERS

Calendar Chaos **Answers**

January

M	T	W	T	F	S	S
						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					

February

M	T	W	T	F	S	S
		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					

March

M	T	W	T	F	S	S
		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		

April

M	T	W	T	F	S	S
					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

May

M	T	W	T	F	S	S
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				

June

M	T	W	T	F	S	S
			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		

Calendar Chaos **Answers**

July

M	T	W	T	F	S	S
					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						

August

M	T	W	T	F	S	S
	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			

September

M	T	W	T	F	S	S
				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	

October

M	T	W	T	F	S	S
						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					

November

M	T	W	T	F	S	S
	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			

December

M	T	W	T	F	S	S
				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) There are [**12**] months in a year.

   There are [**24**] months in two years.

   There are [**14**] days in a fortnight.

   There are [**10**] years in a decade.

2)
| August and June | The fourth and fifth month of the year. |

3) 2028

4)

Date	One Week Later
20th March 2020	27th March 2020
23rd February 2020	1st March 2020
30th April 2020	7th May 2020

1) May is the odd one out. It is the only month in the list that has 31 days. The other months have 30 days.

3) a) Alma – 7th May

   Bernard – 13th June

   Carlos – 30th April

   Damien – 30th May

   b) Bernard   Damien   Alma   Carlos

   | Youngest | | Oldest |

3 Here is a calendar from December 2016

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			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	

a) What day of the week was 25 December in 2016?

Sunday

b) Jack's birthday is on 17 December.

What day of the week was his birthday in 2016?

Saturday

c) How many days are there between Jack's birthday and Boxing Day?

9

d) What day of the week was New Year's Day in 2017?

Sunday

e) What was the date on the last Thursday of November 2016?

24th

6 Jack, Eva, Whitney and Ron were all born in the same year.

Jack

My birthday is between Eva's and Ron's.

I am the oldest.

Whitney

I am older than Ron.

Eva

Match the birthday to the child.

Jack	Eva	Ron	Whitney

2 November   31 January   15 June   4 May

7 Huan, Dani and Filip are counting up in different numbers of days.

Huan starts on 1 July and counts in 2s. (17)

Dani starts on 31 May and counts in 5s. (14)

Filip starts on 30 May and counts in 3s. (22)

Who will reach August first?   Dani

May							June							July							August		
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14			
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21			
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28			
29	30	31					29	30						29	30	31							