

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Read the poem to the children.

Which months have 30 days?

Which month doesn't have 30 or 31 days?

What is a leap year? How often does it happen?

July isn't mentioned in this rhyme. How do we know how many days it has?

Calendar Chaos



30 days has September,
April, June and November.
All the rest have 31,
Except for February alone,
Which only has 28 days clear,
And 29 in each leap year.

Complete these sentences.

The four months that have 30 days are _____.

The shortest month is _____.

March has _____ days.

The number of days in February is different when it is a _____.

June has _____ days.

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

It may be useful to have access to calendars for July from the current and next year for children to look at.

Is July the same length every year?

What day does July start in this example? What day does it finish? Could July ever start and finish on the same day of the week? Why not?

Do you think that July always starts on the same day every year? How could we check?

How many Mondays are in this example? How many Thursdays? Do you think this is the case every year? What causes this to change?

Calendar Chaos



| 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 | | |

Always, Sometimes, Never

July has 31 days.

July starts and finishes on the same day of the week.

July starts on a Wednesday.

July has five Thursdays.

Diving into Mastery – Deepest Adult Guidance with Question Prompts

Children may need a whole year calendar to help with this activity, e.g.

| 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|----|----|----|----|----|----|-----------------|----|----|----|----|----|----|-----------------|----|----|----|----|----|----|-----------------|----|----|----|----|----|----|
| January | | | | | | | February | | | | | | | March | | | | | | | April | | | | | | |
| Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su |
| | 1 | 2 | 3 | 4 | 5 | 6 | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 28 | 29 | 30 | 31 | | | | 25 | 26 | 27 | 28 | | | | | | | | | | | 29 | 30 | | | | | |
| May | | | | | | | June | | | | | | | July | | | | | | | August | | | | | | |
| Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su |
| | 1 | 2 | 3 | 4 | 5 | | | 1 | 2 | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 1 | 2 | 3 | 4 | | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 31 | | | | | 26 | 27 | 28 | 29 | 30 | 31 | |
| September | | | | | | | October | | | | | | | November | | | | | | | December | | | | | | |
| Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su |
| | | | | | | 1 | | 1 | 2 | 3 | 4 | 5 | 6 | | 1 | 2 | 3 | | | | | | | | | 1 | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 28 | 29 | 30 | 31 | | | | 25 | 26 | 27 | 28 | 29 | 30 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | 30 | 31 | | | | | |

Which months have 30 days?

Which of those four months have another month between them?

Does the month in the middle have 31 days?

Is there more than one possible sequence of three months that could be represented like this? Which months?

Could Daisy be right? Could she be wrong? Can you explain?

Calendar Chaos



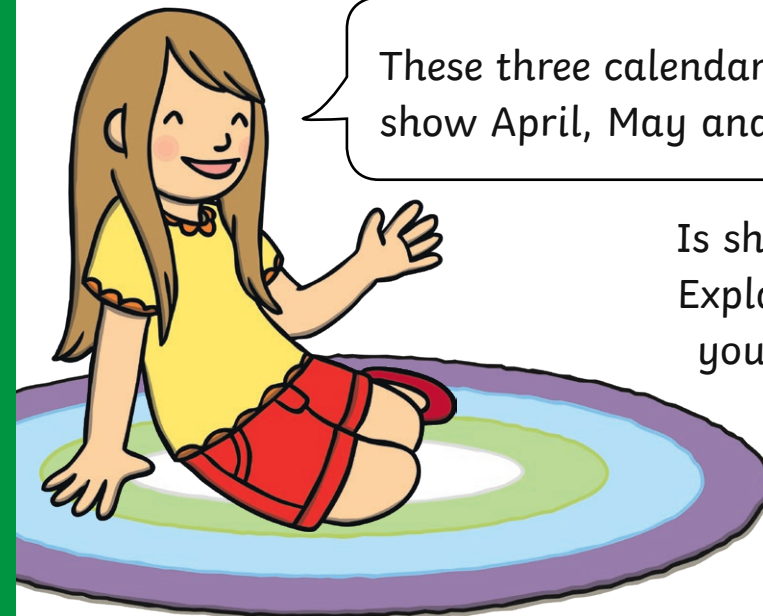
| M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

| 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 | | | |

Daisy says,

These three calendar pages show April, May and June.



Is she right? Explain how you know.