

# Countdown to Christmas

## Amazing Fact

Gengenbach Town Hall in Germany is believed to be the biggest Advent calendar in the world. It has 24 windows facing the town square and each evening during December, at 6pm, another window is lit.

An Advent calendar is a special type of calendar, beginning on the 1st of December, which is used to countdown the days until Christmas Day.

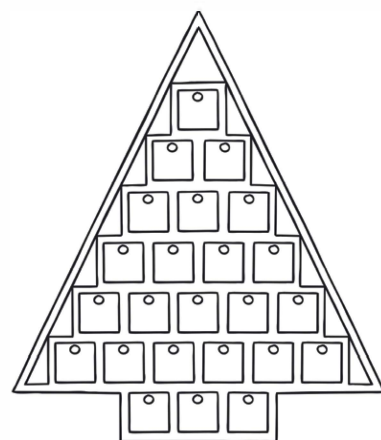
## Challenge

Create a mathematical calculation for each day of Advent. The answer to the calculation must equal the day of Advent. The first one has been done for you.

Be sure to challenge yourself!

Think about using:

- Brackets
- Decimals
- Fractions
- Square numbers



1.  $2(7 \times 3) - (100 - 59)$
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

# Countdown to Christmas

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

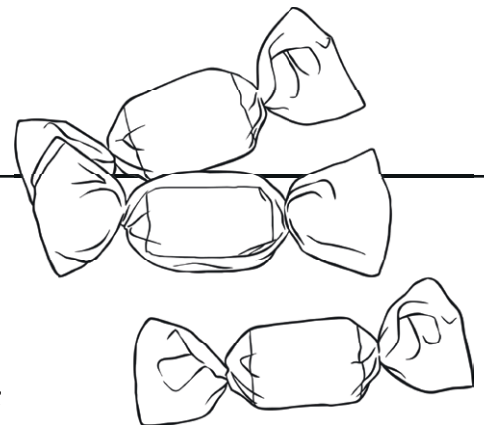
20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_



You could also try to find out:

- what the town hall looks like with the windows lit;
- how this idea is catching on in other German towns;
- where the word 'advent' comes from.