

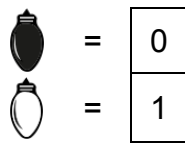
# Christmas Binary Challenge



Santa has worked out that, by turning his Christmas tree lights on and off, he can send secret messages to his Elves using simple binary!

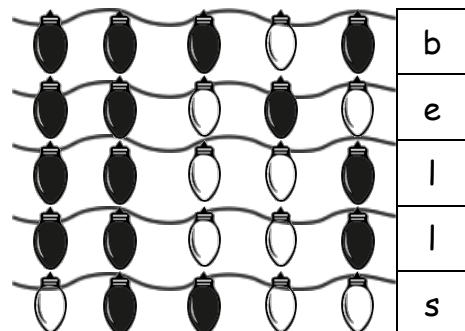
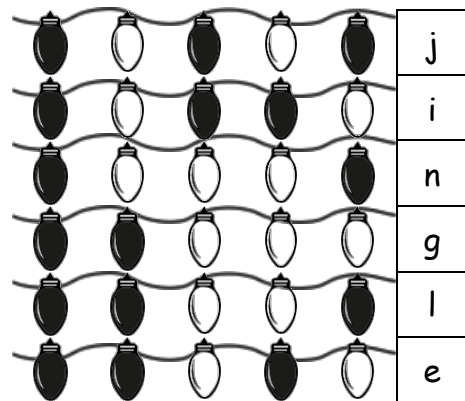
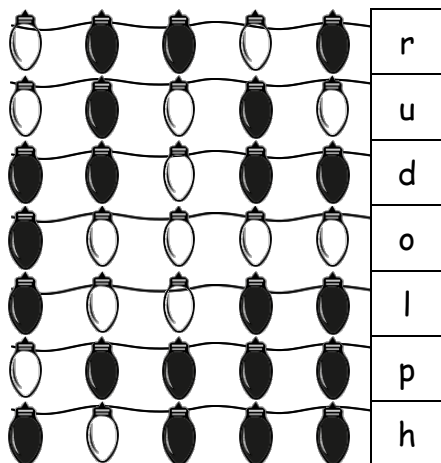
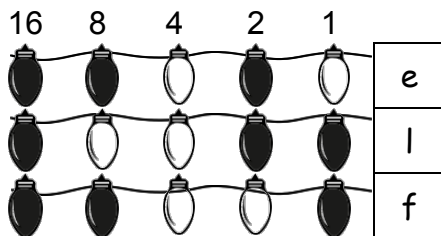
1	2	3	4	5	6	7	8	9	10	11	12	13
a	b	c	d	e	f	g	h	i	j	k	l	m
14	15	16	17	18	19	20	21	22	23	24	25	26
n	o	p	q	r	s	t	u	v	w	x	y	z

Key:



## Challenge 1 - Cracking the code

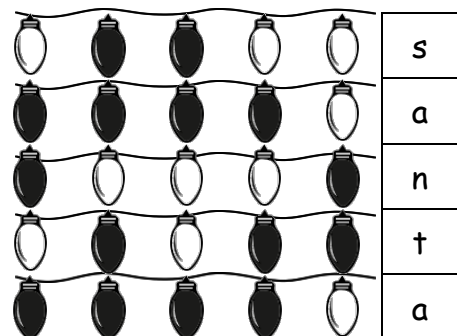
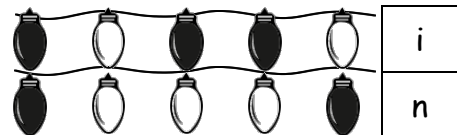
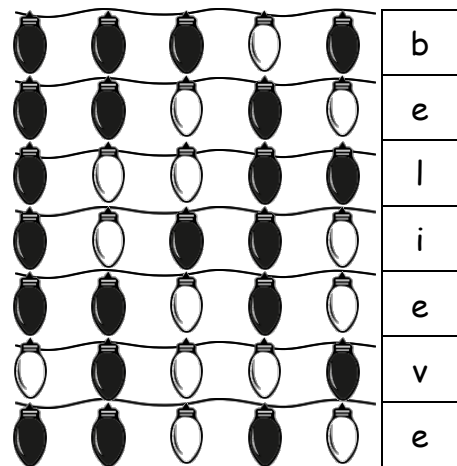
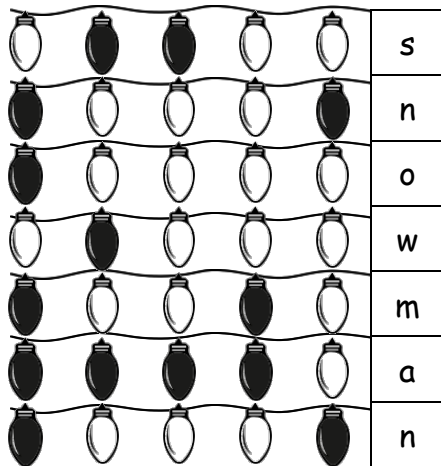
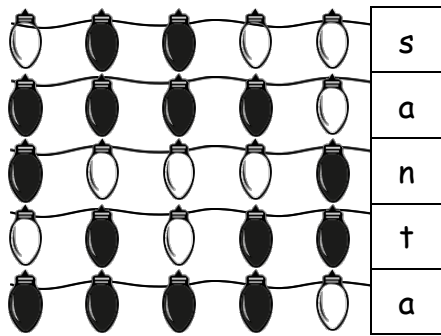
Using the key above, can you work out Santa's secret messages? The first letter in the first clue has already been done for you!



# Christmas Binary Challenge



More secret messages:









































































Finished already? Try out the challenges on the next page.

## Christmas Binary Challenge



### Challenge 2

The Elves want to send a message back to Santa using binary. Can you help them code their message? The first letter has been done for you!

16	8	4	2	1	
					m
					e
					r
					r
					y
					c
					h
					r
					i
					s
					t
					m
					a
					s

### Challenge 3:

Write your own message to Santa using Binary. **Tip:** You can use your own symbols for representing 1 and 0.