New Zealand Christmas Calculations
Code Breaker

A popular part of the build—up to Christmas for many people is attending a Christmas play. Some New Zealand schools and churches act out the story of Jesus' birth. But how did this tradition begin?

The first Christmas play was performed in a cave in Italy! Saint Francis and his followers told the story of the first Christmas using wooden figures for Mary, Joseph and Jesus. Later, people acted out the roles and sang songs to tell the story. Sometimes real animals were used, too!

Challenge

Solve the maths calculations on the following pages to spell out some Christmas play—themed words, and a few jokes to make your audience smile!

a	b	c	d	e	f	g	h	i	j	k	l	m
1	3	5	7	9	11	12	14	15	16	18	20	22

n	o	p	q	r	s	t	u	v	w	x	y	z
24	25	30	35	40	45	50	55	60	70	80	90	100

New Zealand Christmas Calculations Code Breaker

1.

	Answer	Letter
7 x 1		
46 - 21		
12 x 2		
30 - 12		
18 ÷ 2		
9 x 10		

Spells: _____

2.

	Answer	Letter
65 - 20		
46 + 4		
100 - 99		
30 ÷ 10		
66 - 46		
45 ÷ 5		

Spells: _____

3.

	Answer	Letter
10 ÷ 10		
47 - 23		
67 - 55		
18 ÷ 2		
4 x 5		
9 x 5		

Spells: _____

4.

	Answer	Letter
90 - 45		
33 + 17		
51 - 50		
8 x 5		

Spells: _____

5.

	Answer	Letter
100 - 76		
5 ÷ 5		
10 x 5		
3 x 5		
6 x 10		
42 - 27		
92 - 42		
9 x 10		

Spells: _____

6.

	Answer	Letter
50 ÷ 10		
17 - 16		
8 x 5		
5 x 5		
100 - 80		
36 + 9		

Spells: _____

New Zealand Christmas Calculations Code Breaker **Answers**

1.

	Answer	Letter
7 x 1	7	d
46 - 21	25	o
12 x 2	24	n
30 - 12	18	k
18 ÷ 2	9	e
9 x 10	90	y

Spells: **donkey**

2.

	Answer	Letter
65 - 20	45	s
46 + 4	50	t
100 - 99	1	a
30 ÷ 10	3	b
66 - 46	20	l
45 ÷ 5	9	e

Spells: **stable**

3.

	Answer	Letter
10 ÷ 10	1	a
47 - 23	24	n
67 - 55	12	g
18 ÷ 2	9	e
4 x 5	20	l
9 x 5	45	s

Spells: **angels**

4.

	Answer	Letter
90 - 45	45	s
33 + 17	50	t
51 - 50	1	a
8 x 5	40	r

Spells: **star**

5.

	Answer	Letter
100 - 76	24	n
5 ÷ 5	1	a
10 x 5	50	t
3 x 5	15	i
6 x 10	60	v
42 - 27	15	i
92 - 42	50	t
9 x 10	90	y

Spells: **nativity**

6.

	Answer	Letter
50 ÷ 10	5	c
17 - 16	1	a
8 x 5	40	r
5 x 5	25	o
100 - 80	20	l
36 + 9	45	s

Spells: **carols**

New Zealand Christmas Calculations Code Breaker

a	b	c	d	e	f	g	h	i	j	k	l	m
1	3	5	7	9	11	12	14	15	16	18	20	22

n	o	p	q	r	s	t	u	v	w	x	y	z
24	25	30	35	40	45	50	55	60	70	80	90	100

What is green, covered in berries and goes croak?

	11 x 2	3 x 5	60 - 15	10 x 5	37 - 17	3 + 2 + 4
Answer						
Letter						

	5 x 10	13 + 12	76 − 75	35 ÷ 5
Answer				
Letter				

What do reindeer hang on their Christmas trees?

	7 x 2	5 x 5	4 x 10	16 + 8
Answer				
Letter				

	10 ÷ 10	11 x 2	18 ÷ 2	11 + 13	36 + 14	9 x 5
Answer						
Letter						

What do you get if you eat Christmas decorations?

	13 + 37	67 - 52	15 + 9	34 + 11	3 x 5	10 x 2	30 - 15	32 + 18	6 + 4 + 5	76 − 31
Answer										
Letter										

What do you call Frosty the Snowman in January?

	29 - 28
Answer	
Letter	

3 x 10	11 x 5	35 ÷ 5	14 ÷ 2	46 - 26	29 − 20

What do elves learn at school?

	26 + 24	7 x 2	18 ÷ 2
Answer			
Letter			

90 ÷ 10	4 x 5	110 ÷ 10	2 ÷ 2	6 ÷ 2	90 ÷ 10	5 x 10

Christmas Code Breaker **Answers**

a	b	c	d	e	f	g	h	i	j	k	l	m
1	3	5	7	9	11	12	14	15	16	18	20	22

n	o	p	q	r	s	t	u	v	w	x	y	z
24	25	30	35	40	45	50	55	60	70	80	90	100

What is green, covered in berries and goes croak?

	11 x 2	3 x 5	60 - 15	10 x 5	37 - 17	3 + 2 + 4
Answer	22	15	45	50	20	9
Letter	M	i	s	t	l	e

	5 x 10	13 + 12	76 − 75	35 ÷ 5
Answer	50	25	1	7
Letter	t	o	a	d

What do reindeer hang on their Christmas trees?

	7 x 2	5 x 5	4 x 10	16 + 8
Answer	14	25	40	24
Letter	H	o	r	n

	10 ÷ 10	11 ☐ 2	18 ÷ 2	11 + 13	36 + 14	9 ☐ 5
Answer	1	22	9	24	50	45
Letter	a	m	e	n	t	s

What do you get if you eat Christmas decorations?

	13 + 37	67 - 52	15 + 9	34 + 11	3 x 5	10 x 2	30 - 15	32 + 18	6 + 4 + 5	76 − 31
Answer	50	15	24	45	15	20	15	50	15	45
Letter	T	i	n	s	i	l	i	t	i	s

What do you call Frosty the Snowman in January?

	29 - 28
Answer	1
Letter	A

	3 x 10	11 x 5	35 ÷ 5	14 ÷ 2	46 - 26	29− 20
Answer	30	55	7	7	20	9
Letter	p	u	d	d	l	e

What do elves learn at school?

	26 + 24	7 x 2	18 ÷ 2
Answer	50	14	9
Letter	T	h	e

	90 ÷ 10	4 x 5	110 ÷ 10	2 ÷ 2	6 ÷ 2	90 ÷ 10	5 x 10
Answer	9	20	11	1	3	9	50
Letter	e	l	f	a	b	e	t