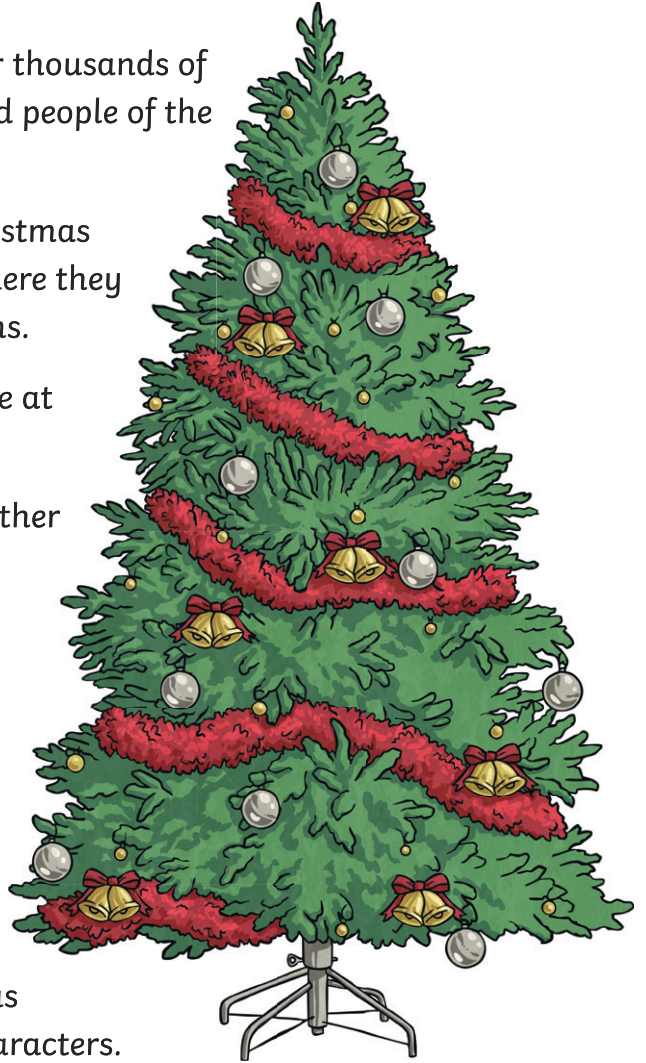


Christmas Tree Code Breaker

Amazing Christmas Tree Stories

- Trees have been used to celebrate winter festivals for thousands of years. Branches are used to decorate home to remind people of the spring to come.
- Trees may have first been used by Christians at Christmas about a thousand years ago in Northern Europe, where they were hung upside down from the ceiling using chains.
- Other flowering trees were sometimes brought inside at Christmas so they might flower.
- The first decorated tree was about 500 years ago, either in Estonia or Latvia, put up by the 'Brotherhood of Blackheads', a group of unmarried merchants, ship owners and foreigners.
- Christmas trees were introduced in Britain in the 1830's and were made popular by Prince Albert, Queen Victoria's husband.



Challenge

Solve maths calculations on the following pages to spell out some Christmas tree decorations, Christmas words, varieties of Christmas tree and Christmas characters.

A	B	C	D	E	F	G	H	I	J	K	L	M
25	5	3	10	24	17	9	16	1	19	23	6	15

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
21	26	22	2	11	18	12	4	8	20	7	14	13

You might also want to find out about:

How Christmas trees are used to celebrated Christmas in different countries.

Some of the historical characters who are involved in the story of the Christmas tree.

Christmas Tree Code Breaker Decoration Challenge

1.	Answer	Letter
$35 \div 7$		
5×5		
$16 \div 4$		
$45 \div 9$		
$36 \div 6$		
4×6		

Word: _____

2.	Answer	Letter
$50 \div 2$		
3×7		
3×3		
3×8		
$48 \div 8$		

Word: _____

3.	Answer	Letter
2×6		
$8 \div 8$		
7×3		
2×9		
12×2		
$24 \div 4$		

Word: _____

4.	Answer	Letter
3×6		
$75 \div 3$		
$42 \div 2$		
4×3		
$100 \div 4$		

Word: _____

5.	Answer	Letter
9×2		
$60 \div 5$		
$125 \div 5$		
$22 \div 2$		

Word: _____

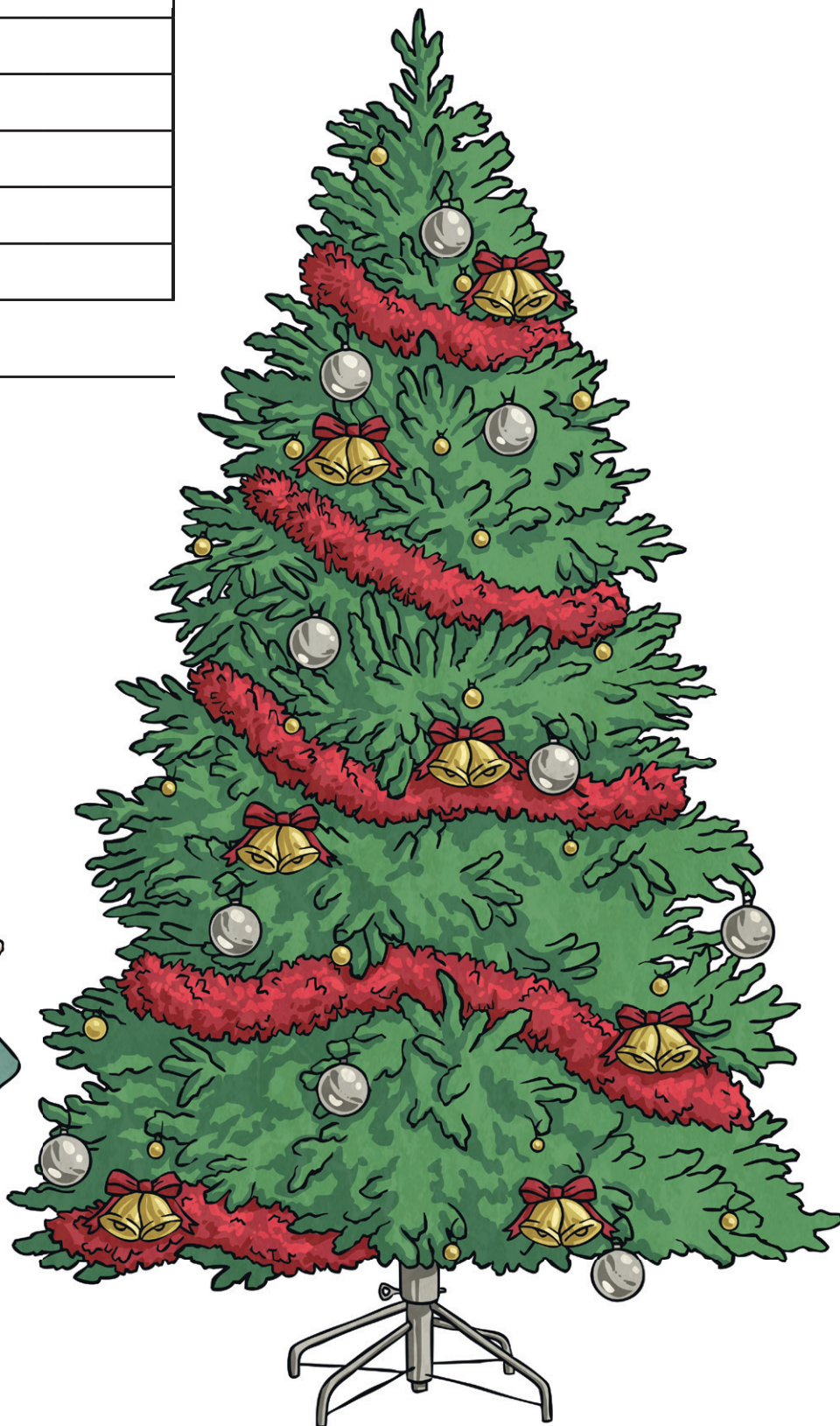
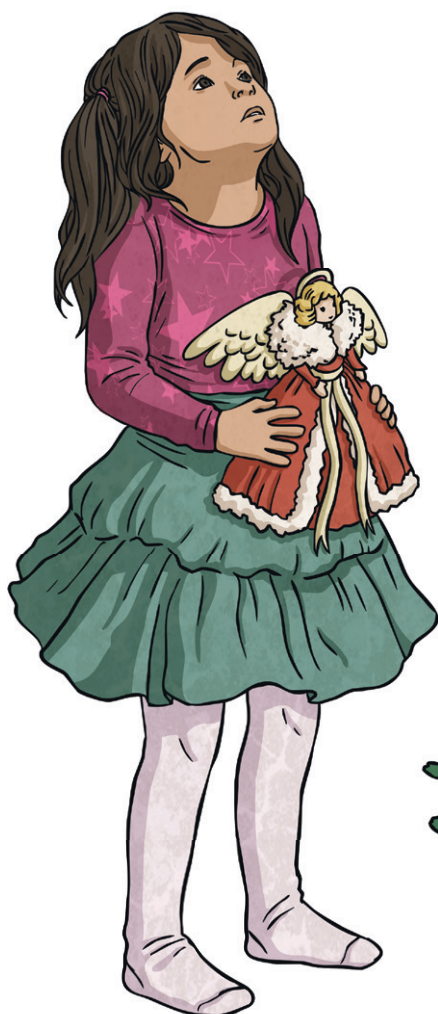
6.	Answer	Letter
6×3		
$63 \div 3$		
13×2		
4×5		
$34 \div 2$		
3×2		
$150 \div 6$		
$46 \div 2$		
6×4		

Word: _____

Christmas Tree Code Breaker Decoration Challenge

7.	Answer	Letter
$33 \div 3$		
2×12		
1×1		
$105 \div 5$		
5×2		
$48 \div 2$		
8×3		
$44 \div 4$		

Word: _____



Christmas Tree Code Breaker Decoration Challenge **Answers**

1.	Answer	Letter
$35 \div 7$	5	B
5×5	25	A
$16 \div 4$	4	U
$45 \div 9$	5	B
$36 \div 6$	6	L
4×6	24	E

Word: **bauble**

2.	Answer	Letter
$50 \div 2$	25	A
3×7	21	N
3×3	9	G
3×8	24	E
$48 \div 8$	6	L

Word: **angel**

3.	Answer	Letter
2×6	12	T
$8 \div 8$	1	I
7×3	21	N
2×9	18	S
12×2	24	E
$24 \div 4$	6	L

Word: **tinsel**

4.	Answer	Letter
3×6	18	S
$75 \div 3$	25	A
$42 \div 2$	21	N
4×3	12	T
$100 \div 4$	25	A

Word: **Santa**

5.	Answer	Letter
9×2	18	S
$60 \div 5$	12	T
$125 \div 5$	25	A
$22 \div 2$	11	R

Word: **star**

6.	Answer	Letter
6×3	18	S
$63 \div 3$	21	N
13×2	26	O
4×5	20	W
$34 \div 2$	17	F
3×2	6	L
$150 \div 6$	25	A
$46 \div 2$	23	K
6×4	24	E

Word: **snowflake**

Christmas Tree Code Breaker Decoration Challenge **Answers**

7.	Answer	Letter
$33 \div 3$	11	R
2×12	24	E
1×1	1	I
$105 \div 5$	21	N
5×2	10	D
$48 \div 2$	24	E
8×3	24	E
$44 \div 4$	11	R

Word: **reindeer**

Christmas Tree Code Breaker Tree Challenge

1.	Answer	Letter
$900 \div 100$		
$110 \div 10$		
$2400 \div 100$		
0.024×1000		
0.21×100		
0.18×100		
$220 \div 10$		
0.11×100		
$4000 \div 1000$		
0.03×100		
$2400 \div 100$		

Tree: _____

2.	Answer	Letter
$2100 \div 100$		
$2600 \div 100$		
0.11×100		
$1000 \div 100$		
0.15×100		
$250 \div 10$		
2.1×10		
0.17×100		
0.1×10		
$1100 \div 100$		

Tree: _____

3.	Answer	Letter
$210 \div 10$		
0.26×100		
0.5×10		
$600 \div 100$		
0.24×100		
$170 \div 10$		
$100 \div 100$		
1.1×10		

Tree: _____

4.	Answer	Letter
1.6×10		
0.025×1000		
$2000 \div 100$		
1.2×10		
$160 \div 10$		
$2600 \div 100$		
0.011×1000		
0.021×1000		

Tree: _____



Christmas Tree Code Breaker Tree Challenge

5.	Answer	Letter
0.6×10		
$260 \div 10$		
0.1×100		
0.9×10		
2.4×10		
0.22×100		
0.026×1000		
$60 \div 10$		
$24\ 000 \div 1000$		
$2200 \div 100$		
0.01×100		
$2100 \div 100$		
$2400 \div 100$		

Tree: _____

6.	Answer	Letter
$300 \div 100$		
0.16×100		
0.024×1000		
$110 \div 10$		
0.11×100		
$140 \div 10$		

Tree: _____



Christmas Tree Code Breaker Tree Challenge **Answers**

1.	Answer	Letter
$900 \div 100$	9	G
$110 \div 10$	11	R
$2400 \div 100$	24	E
0.024×1000	24	E
0.21×100	21	N
0.18×100	18	S
$220 \div 10$	22	P
0.11×100	11	R
$4000 \div 1000$	4	U
0.03×100	3	C
$2400 \div 100$	24	E

Tree: **green spruce**

2.	Answer	Letter
$2100 \div 100$	21	N
$2600 \div 100$	26	O
0.11×100	11	R
$1000 \div 100$	10	D
0.15×100	15	M
$250 \div 10$	25	A
2.1×10	21	N
0.17×100	17	F
0.1×10	1	I
$1100 \div 100$	11	R

Tree: **nordman fir**

3.	Answer	Letter
$210 \div 10$	21	N
0.26×100	26	O
0.5×10	5	B
$600 \div 100$	6	L
0.24×100	24	E
$170 \div 10$	17	F
$100 \div 100$	1	I
1.1×10	11	R

Tree: **noble fir**

4.	Answer	Letter
1.6×10	16	H
0.025×1000	25	A
$2000 \div 100$	20	W
1.2×10	12	T
$160 \div 10$	16	H
$2600 \div 100$	26	O
0.011×1000	11	R
0.021×1000	21	N

Tree: **hawthorn**

Christmas Tree Code Breaker Tree Challenge **Answers**

5.	Answer	Letter
0.6×10	6	L
$260 \div 10$	26	O
0.1×100	10	D
0.9×10	9	G
2.4×10	24	E
0.22×100	22	P
0.026×1000	26	O
$60 \div 10$	6	L
$24\ 000 \div 1000$	24	E
$2200 \div 100$	22	P
0.01×100	1	I
$2100 \div 100$	21	N
$2400 \div 100$	24	E

Tree: **lodgepole pine**

6.	Answer	Letter
$300 \div 100$	3	C
0.16×100	16	H
0.024×1000	24	E
$110 \div 10$	11	R
0.11×100	11	R
$140 \div 10$	14	Y

Tree: **cherry**

Christmas Tree Code Breaker Characters Challenge

1.	Answer	Letter
$\frac{3}{5}$ of 25		
$\frac{5}{8}$ of 40		
25% of 44		
75% of 16		
10% of 10		
$\frac{7}{8}$ of 24		
20% of 30		
10% of 40		
80% of 15		
$\frac{2}{3}$ of 24		
$\frac{8}{9}$ of 27		
5% of 220		

Character: _____

2.	Answer	Letter
75% of 24		
$\frac{2}{3}$ of 18		
$\frac{1}{13}$ of 65		
$\frac{2}{3}$ of 39		
75% of 28		
20% of 5		
25% of 68		
$\frac{1}{6}$ of 150		
5% of 60		
$\frac{3}{4}$ of 32		

Character: _____

3.	Answer	Letter
75% of 24		
$\frac{5}{6}$ of 30		
20% of 105		
40% of 30		
62.5% of 40		

Character: _____

4.	Answer	Letter
$\frac{2}{3}$ of 33		
$\frac{1}{5}$ of 55		
4% of 25		
87.5% of 24		
$\frac{1}{30}$ of 90		
60% of 40		
$\frac{1}{5}$ of 125		
75% of 8		
$\frac{1}{3}$ of 15		
$\frac{2}{3}$ of 36		
25% of 44		
75% of 16		

Character: _____

Christmas Tree Code Breaker Characters Challenge

5.	Answer	Letter
$\frac{1}{3}$ of 54		
20% of 60		
25% of 84		
1% of 100		
6% of 50		
64% of 25		
40% of 65		
$\frac{1}{6}$ of 36		
$\frac{1}{3}$ of 75		
24% of 75		

Character: _____



Christmas Tree Code Breaker Characters Challenge **Answers**

1.	Answer	Letter
$\frac{3}{5}$ of 25	15	M
$\frac{5}{8}$ of 40	25	A
25% of 44	11	R
75% of 16	12	T
10% of 10	1	I
$\frac{7}{8}$ of 24	21	N
20% of 30	6	L
10% of 40	4	U
80% of 15	12	T
$\frac{2}{3}$ of 24	16	H
$\frac{8}{9}$ of 27	24	E
5% of 220	11	R

Character: **Martin Luther**

2.	Answer	Letter
75% of 24	18	S
$\frac{2}{3}$ of 18	12	T
$\frac{1}{13}$ of 65	5	B
$\frac{2}{3}$ of 39	26	O
75% of 28	21	N
20% of 5	1	I
25% of 68	17	F
$\frac{1}{6}$ of 150	25	A
5% of 60	3	C
$\frac{3}{4}$ of 32	24	E

Character: **St Boniface**

3.	Answer	Letter
75% of 24	18	S
$\frac{5}{6}$ of 30	25	A
20% of 105	21	N
40% of 30	12	T
62.5% of 40	25	A

Character: **Santa**

4.	Answer	Letter
$\frac{2}{3}$ of 33	22	P
$\frac{1}{5}$ of 55	11	R
4% of 25	1	I
87.5% of 24	21	N
$\frac{1}{30}$ of 90	3	C
60% of 40	24	E
$\frac{1}{5}$ of 125	25	A
75% of 8	6	L
$\frac{1}{3}$ of 15	5	B
$\frac{2}{3}$ of 36	24	E
25% of 44	11	R
75% of 16	12	T

Character: **Prince Albert**

Christmas Tree Code Breaker Characters Challenge **Answers**

5.	Answer	Letter
$\frac{1}{3}$ of 54	18	S
20% of 60	12	T
25% of 84	21	N
1% of 100	1	I
6% of 50	3	C
64% of 25	16	H
40% of 65	26	O
$\frac{1}{6}$ of 36	6	L
$\frac{1}{3}$ of 75	25	A
24% of 75	18	S

Character: **St Nicolas**