

Christmas Code Breaker

Amazing Christmas Records

- In December 2015, the largest ever recorded human Christmas tree was made by 4030 people in India. Many of the people were school children from the village of Chengannur.
- The largest Christmas stocking was made in Tuscany in Italy in January 2011. It measured a whopping 51m 35cm long!
- A pub in Worcestershire was listed as serving the world's largest Christmas dinner in 2013. It was an eye-watering 9.6kg and included a whole turkey and twenty-five sprouts, along with parsnips, broccoli, cauliflower, pigs-in-blankets and, of course, roast potatoes.

Challenge

Solve the maths calculations on the following pages to spell out some Christmas words, the names of some Christmas carols and some terrible cracker jokes using the code below:



A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1

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Festive Word Challenge

1.

	Answer	Letter
3×3		
$44 \div 2$		
$36 \div 2$		
$26 \div 2$		
$46 \div 2$		
$66 \div 3$		
$88 \div 4$		
$36 \div 4$		

Spells: _____

2.

	Answer	Letter
$40 \div 5$		
$57 \div 3$		
11×2		
$121 \div 11$		
$38 \div 2$		
$220 \div 10$		
$81 \div 9$		
$69 \div 3$		

Spells: _____

3.

	Answer	Letter
$24 \div 3$		
$21 \div 3$		
$144 \div 12$		
8×3		
4×4		
3×6		
$52 \div 4$		
4×5		

Spells: _____

4.

	Answer	Letter
$48 \div 6$		
13×2		
$39 \div 3$		
$49 \div 7$		
$52 \div 2$		
$48 \div 2$		
$30 \div 2$		
$78 \div 3$		
$36 \div 6$		
$64 \div 8$		

Spells: _____

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Christmas Carol Challenge

1.

	Answer	Letter
$80 \div 10$		
$180 \div 10$		
1.5×10		
2.2×10		
1.3×10		
$700 \div 100$		
$1300 \div 100$		
1.8×10		
2×10		
$1900 \div 100$		
0.7×10		

Spells: _____

3.

	Answer	Letter
$260 \div 10$		
0.4×10		
2.6×10		
$200 \div 100$		
$1800 \div 100$		
0.13×100		
0.26×100		
$1400 \div 100$		
$2600 \div 100$		
$130 \div 10$		
0.2×100		
0.22×100		
0.09×100		

Spells: _____

2.

	Answer	Letter
0.07×100		
1.9×10		
$220 \div 10$		
2.1×10		
0.18×100		
0.9×10		
0.8×10		
$70 \div 10$		
$(260 \div 10) \div 2$		
0.12×100		
$2200 \div 100$		
$150 \div 10$		

Spells: _____

4.

	Answer	Letter
1.7×10		
$180 \div 10$		
$(2.6 \times 10) \div 2$		
$200 \div 10$		
0.15×100		
$2 \times (1.1 \times 10)$		
2.5×10		
$2 \times (110 \div 10)$		
$1500 \div 100$		
$(3 \times 10) \div 2$		
0.08×100		

Spells: _____

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Cracker Joke Challenge

1. What did Mrs Claus say to Santa when she looked up in the sky?

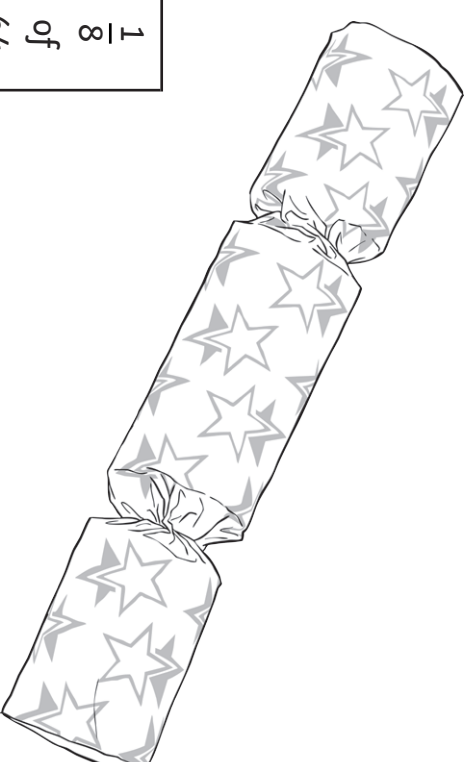
$\frac{1}{4}$ of 60	$\frac{1}{5}$ of 60	$\frac{1}{3}$ of 36	$\frac{1}{3}$ of 48	$\frac{1}{10}$ of 80	$\frac{1}{10}$ of 150	$\frac{1}{3}$ of 54	$\frac{1}{2}$ of 32	$\frac{1}{10}$ of 220	$\frac{1}{2}$ of 18	$\frac{13}{20}$ of 40	$\frac{9}{15}$ of 30	$\frac{1}{10}$ of 130	$\frac{1}{100}$ of 2300	$\frac{11}{20}$ of 40	$\frac{26}{30}$ of 30	$\frac{1}{9}$ of 81
Answer																
Letter																

2. Where does Santa stay on holiday?

$\frac{13}{15}$ of 30	$\frac{1}{10}$ of 190	$\frac{6}{7}$ of 14	$\frac{1}{3}$ of 57	$\frac{6}{10}$ of 20	$\frac{1}{4}$ of 76	$\frac{1}{6}$ of 72	$\frac{1}{7}$ of 49	$\frac{1}{20}$ of 440	$\frac{5}{17}$ of 51
Answer									
Letter									

3. What's a monkey's favourite Christmas carol?

$\frac{1}{3}$ of 51	$\frac{1}{6}$ of 36	$\frac{13}{20}$ of 20	$\frac{5}{6}$ of 24	$\frac{3}{8}$ of 40	$\frac{11}{12}$ of 24	$\frac{5}{9}$ of 45	$\frac{1}{4}$ of 88	$\frac{5}{14}$ of 42	$\frac{1}{100}$ of 1500	$\frac{1}{8}$ of 64
Answer										
Letter										



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Answers

Festive Word Challenge

1. **reindeer**
2. **shepherd**
3. **stocking**
4. **Santa Claus**

Christmas Carol Challenge

1. **Silent Night**
2. **The First Noel**
3. **Away in a Manger**
4. **Jingle Bells**

Cracker Joke Challenge

1. What did Mrs Claus say to Santa when she looked up in the sky?
Looks like rain dear
2. Where does Santa stay on holiday?
A ho-ho-ho-tel
3. What's a monkey's favourite Christmas carol?
Jungle Bells