

# 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

# Christmas Code Breaker

## Festive Word Challenge

1.

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

Spells: \_\_\_\_\_

2.

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

Spells: \_\_\_\_\_

3.

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

Spells: \_\_\_\_\_

4.

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

Spells: \_\_\_\_\_

# Christmas Code Breaker

## Christmas Carol Challenge

1.

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

Spells: \_\_\_\_\_

3.

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

Spells: \_\_\_\_\_

2.

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

Spells: \_\_\_\_\_

4.

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

Spells: \_\_\_\_\_

## Christmas Code Breaker

### Cracker Joke Challenge

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

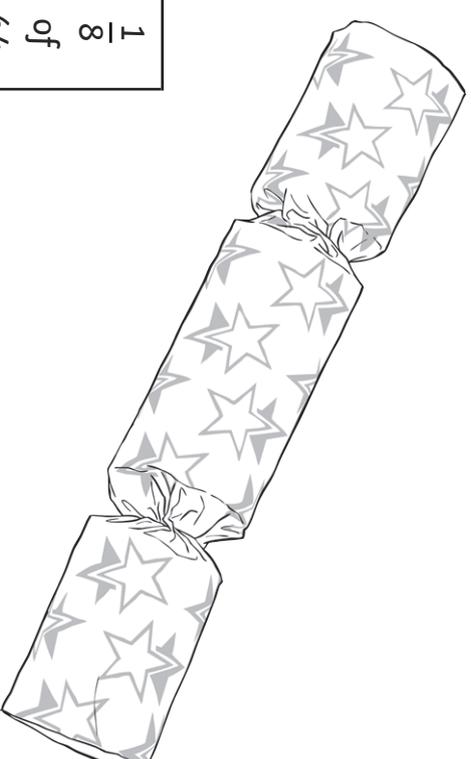
$\frac{1}{4}$ of 60	$\frac{1}{5}$ of 60	$\frac{1}{3}$ of 36	$\frac{1}{3}$ of 48	$\frac{1}{10}$ of 80	$\frac{1}{10}$ of 150	$\frac{1}{3}$ of 54	$\frac{1}{2}$ of 32	$\frac{1}{10}$ of 220	$\frac{1}{2}$ of 18	$\frac{13}{20}$ of 40	$\frac{9}{15}$ of 30	$\frac{1}{10}$ of 130	$\frac{1}{100}$ of 2300	$\frac{11}{20}$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



# Christmas Code Breaker

## 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**