Chinese New Year Food Code Breaker Challenge

Aim: To practise using fractions of amounts and properties of numbers.

Amazing Chinese New Year Stories

- Chinese New Year is known as the Spring Festival. Even though it is held in winter, it symbolises the end of the coldest days and the welcoming of spring.
- The date is dependent on the lunar calendar and ranges from 21st January to 20th February.
- Chinese New Year celebrations last for around 15 days.

Challenge

Solve the maths calculations on the following pages to spell out some Chinese New Year food.

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:

- When is Chinese New Year in this and the next few years?
- What happened in some Chinese cities concerning fireworks?
- How do people celebrate Chinese New Year around the world?

visit twinkl.com

Chinese New Year Food Code Breaker Challenge

1.	Answer	Letter
30% of 60		
25% of 88		
Prime number between 8 and 12		
$\frac{1}{6}$ of 6		
$\frac{1}{3}$ of 63		
$\frac{1}{7}$ of 21		
$\frac{1}{9}$ of 99		
40% of 65		
$\frac{2}{3}$ of 9		
Highest common factor of 12 and 18		
75% of 24		

Food: _____

2.	Answer	Letter
$\frac{2}{3}$ of 15		
20% of 20		
75% of 20		
110% of 20		
$\frac{3}{4}$ of 8		
25% of 4		
75% of 28		
60% of 15		
$\frac{2}{3}$ of 27		

Food: _____

3.	Answer	Letter
$\frac{3}{8}$ of 56		
40% of 65		
$\frac{2}{3}$ of 39		
$\frac{5}{6}$ of 12		
40% of 15		
75% of 32		
37.5% of 48		

Food: _____

4.	Answer	Letter
50% of 22		
12.5% of 8		
smallest odd prime number		
$\frac{3}{4}$ of 32		
$\frac{1}{8}$ of 24		
$\frac{5}{6}$ of 30		
Prime number between 20 and 28		
80% of 30		
$\frac{3}{4}$ of 24		

Food: _____

Chinese New Year Food Code Breaker Challenge

5.	Answer	Letter
lowest common multiple of 6 and 9		
$\frac{4}{5}$ of 30		
$\frac{5}{6}$ of 30		
$\frac{2}{3}$ of 30		
lowest common multiple of 6 and 8		
$\frac{3}{8}$ of 64		
Highest common factor of 30 and 50		

Food: _____

6.	Answer	Letter
$\frac{2}{7}$ of 21		
$\frac{13}{15}$ of 30		
80% of 15		
$\frac{2}{3}$ of 6		
37.5% of 48		
75% of 24		
$\frac{2}{3}$ of 36		
$\frac{2}{3}$ of 36		
40% of 25		
$\frac{1}{5}$ of 90		

Food: _____

Chinese New Year Food Code Breaker Challenge **Answers**

1.	Answer	Letter
30% of 60	**18**	**S**
25% of 88	**22**	**P**
Prime number between 8 and 12	**11**	**R**
$\frac{1}{6}$ of 6	**1**	**I**
$\frac{1}{3}$ of 63	**21**	**N**
$\frac{1}{7}$ of 21	**9**	**G**
$\frac{1}{9}$ of 99	**11**	**R**
40% of 65	**26**	**O**
$\frac{2}{3}$ of 9	**6**	**L**
Highest common factor of 12 and 18	**6**	**L**
75% of 24	**18**	**S**

Food: _____

2.	Answer	Letter
$\frac{2}{3}$ of 15	**10**	**D**
20% of 20	**4**	**U**
75% of 20	**15**	**M**
110% of 20	**22**	**P**
$\frac{3}{4}$ of 8	**6**	**L**
25% of 4	**1**	**I**
75% of 28	**21**	**N**
60% of 15	**9**	**G**
$\frac{2}{3}$ of 27	**18**	**S**

Food: _____

3.	Answer	Letter
$\frac{3}{8}$ of 56	**21**	**N**
40% of 65	**26**	**O**
$\frac{2}{3}$ of 39	**26**	**O**
$\frac{5}{6}$ of 12	**10**	**D**
40% of 15	**6**	**L**
75% of 32	**24**	**E**
37.5% of 48	**18**	**S**

Food: _____

4.	Answer	Letter
50% of 22	**11**	**R**
12.5% of 8	**1**	**I**
smallest odd prime number	**3**	**C**
$\frac{3}{4}$ of 32	**24**	**E**
$\frac{1}{8}$ of 24	**3**	**C**
$\frac{5}{6}$ of 30	**25**	**A**
Prime number between 20 and 28	**23**	**K**
80% of 30	**24**	**E**
$\frac{3}{4}$ of 24	**18**	**S**

Food: _____

Chinese New Year Food Code Breaker Challenge **Answers**

5.	Answer	Letter
lowest common multiple of 6 and 9	**18**	**S**
$\frac{4}{5}$ of 30	**24**	**E**
$\frac{5}{6}$ of 30	**25**	**A**
$\frac{2}{3}$ of 30	**20**	**W**
lowest common multiple of 6 and 8	**24**	**E**
$\frac{3}{8}$ of 64	**24**	**E**
Highest common factor of 30 and 50	**10**	**D**

Food: _____

6.	Answer	Letter
$\frac{2}{7}$ of 21	**6**	**L**
$\frac{13}{15}$ of 30	**26**	**O**
80% of 15	**12**	**T**
$\frac{2}{3}$ of 6	**4**	**U**
37.5% of 48	**18**	**S**
75% of 24	**18**	**S**
$\frac{2}{3}$ of 36	**24**	**E**
$\frac{2}{3}$ of 36	**24**	**E**
40% of 25	**10**	**D**
$\frac{1}{5}$ of 90	**18**	**S**

Food: _____