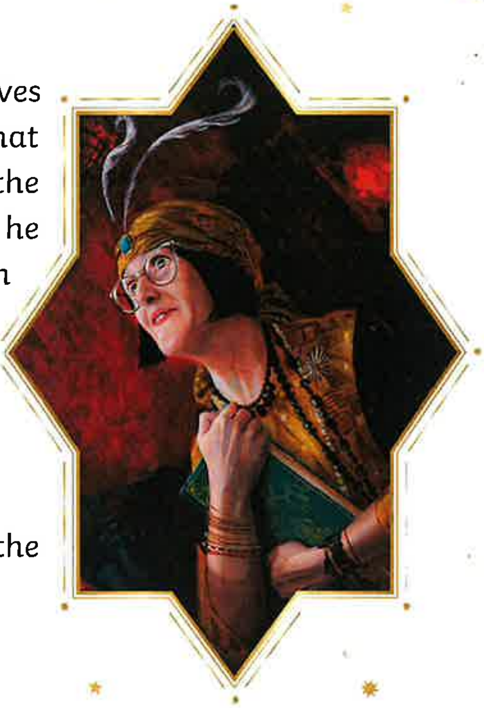
Codebreaker

After searching high and low for an ancient box that he believes contains valuable wizarding treasures, a Professor believes that he has finally located it in the cellar of an old inn. However, the door is bolted shut and he doesn't have the key! Fortunately, he receives an unexpected letter via the Owl Postal Service from a fellow wizard which he believes will help him get inside but the message is written in code.



Can you help the wizard to crack the code to open the cellar door?

Solve the calculations and then match the answers to the corresponding letters to break the code.

Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
84	46	100	34	45	96	391	24	55	606	404	406	792

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
5	59	6	10	106	157	56	30	25	200	74	48	21

	Answer	Letter
6 × 5		
124 + 33		
$\frac{1}{2}$ of 90		

	Answer	Letter
70 – 14		
2 × 12		
Which number comes next in this sequence? 36 39 42 ___		

Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
84	46	100	34	45	96	391	24	55	606	404	406	792

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
5	59	6	10	106	157	56	30	25	200	74	48	21

	Answer	Letter
Double 15		
$\frac{1}{4}$ of 20		
506 - 100		
73 - 14		
Round 97 to the nearest 10		
Which of these numbers is even? 409 404 411 403		
11 × 5		
___ × 5 = 25		
256 + 135		

	Answer	Letter
50 = ___ ÷ 2		
2 × 12		
Double 42		
15 + 91		
812 - 20		

Magical Bridges – Math Challenge

Now that you have completed the Codebreaker Challenge, it is time to make some codes of your own.

Create some math problems that hide a secret message. It will be solved by your international partner!

Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
84	46	100	34	45	96	391	24	55	606	404	406	792

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
5	59	6	10	106	157	56	30	25	200	74	48	21

Example

Math Question	**Answer** *(to be completed by partner)*	**Letter** ***(to be completed by partner)***
	24	**H**
	84	**A**
	6	**P**
	6	**P**
	48	**Y**
	25	**V**
	84	**A**
	406	**L**
	45	**E**
	5	**N**
	56	**T**
	55	**I**
	5	**N**
	45	**E**
	157	**S**
	34	**D**
	84	**A**
	48	**Y**

Created by ____________________ **Solved by** ____________________

Math Question	**Answer** *(to be completed by partner)*	**Letter** ***(to be completed by partner)***
