

Easter Maths Challenge

<i>Learning Objective</i> <i>To solve the mystery of the Easter bunny costume.</i>	
<i>Success Criteria</i>	<i>Self-Assessment</i>
<ul style="list-style-type: none">• <i>Find fractions of shapes.</i>	
<ul style="list-style-type: none">• <i>Read the time in words and match it to the digital equivalent.</i>	
<ul style="list-style-type: none">• <i>Solve missing number problems.</i>	



Members of the local Women's Institute have an annual Easter bunny egg hunt. Fred, the groundsman, always dresses up as the Easter bunny and hops through the village hiding eggs for the children at Etherley Lane Primary School to find. It is always a wonderful occasion and the children look forward to it very much.

However, there is a problem this year. Fred has gone to the cupboard where the costume is stored and, to his horror, he has discovered it has been cut up into pieces!



Your task is to solve the five clues and use the character descriptions of all the people who have a connection with the Women's Institute to work out who wrecked the costume! Good luck!

Character Descriptions

Name	M/F	Age	Hair colour	Favourite crisps	Owens a dog
Kim Hadley	F	61	black	spicy beef	yes
George Mears	M	57	grey	smoky bacon	yes
Brenda Thornhill	F	61	black	ready salted	yes
Connie Cornforth	F	56	grey	salt/vinegar	no
Matt Jones	M	28	black	Worcester sauce	yes
Kath Ecclestone	F	33	blonde	cheese/onion	yes
Graham Tone	M	49	black	ready salted	no
Lindsay Cramp	F	69	black	cheese and onion	yes
Summer Twell	F	22	brown	cheese/onion	no
Dawid Gierak	M	62	grey	pickled onion	yes
Paul Grimes	M	44	brown	spicy beef	no
Wen Li	F	60	grey	ready salted	yes
Hannah Belling	F	38	blonde	cheese/onion	no
Trish Plimsoll	F	61	grey	cheese/ onion	no
Enid Gardner	F	78	white	smoky bacon	yes
Usman Hussain	M	66	black	pickled onion	no
Doris Clubb	F	69	black	prawn cocktail	yes
Monika Kilmczak	F	37	blonde	ready salted	yes
Derrick Stanley	M	81	bald	spicy beef	no
Sue Guest	F	63	grey	ready salted	yes
Chris Bates	F	70	grey	prawn cocktail	yes
Fenella Hope	F	65	black	cheese/onion	yes
Steph Hawes	F	47	blonde	pickled onion	yes
Helena Wickers	F	39	black	smoky bacon	no
Sharon Day	F	43	brown	spicy beef	yes
Jessica Mathers	F	32	red	Worcester sauce	no
Zoe Hall	F	38	black	cheese/onion	yes
Tina Flame	F	46	black	salt/ vinegar	yes
John Nuttall	M	69	grey	salt/vinegar	no
Belinda Havers	F	72	black	cheese/onion	yes

Clue 1: Egg-citing Numbers

Work out which of these number statements are correct. If there are more correct than incorrect answers, the costume wrecker is female.


$$\begin{array}{r} 400 + 387 \\ = 787 \end{array}$$


$$\begin{array}{r} 259 + 500 \\ = 659 \end{array}$$


$$\begin{array}{r} 676 - 300 \\ = 376 \end{array}$$

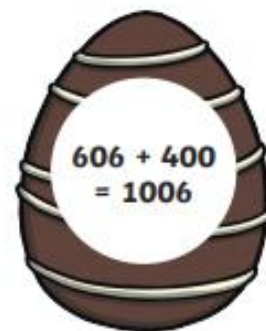

$$\begin{array}{r} 299 + 400 \\ = 799 \end{array}$$


$$\begin{array}{r} 567 - 200 \\ = 367 \end{array}$$


$$\begin{array}{r} 899 + 300 \\ = 1099 \end{array}$$


$$\begin{array}{r} 510 + 300 \\ = 810 \end{array}$$

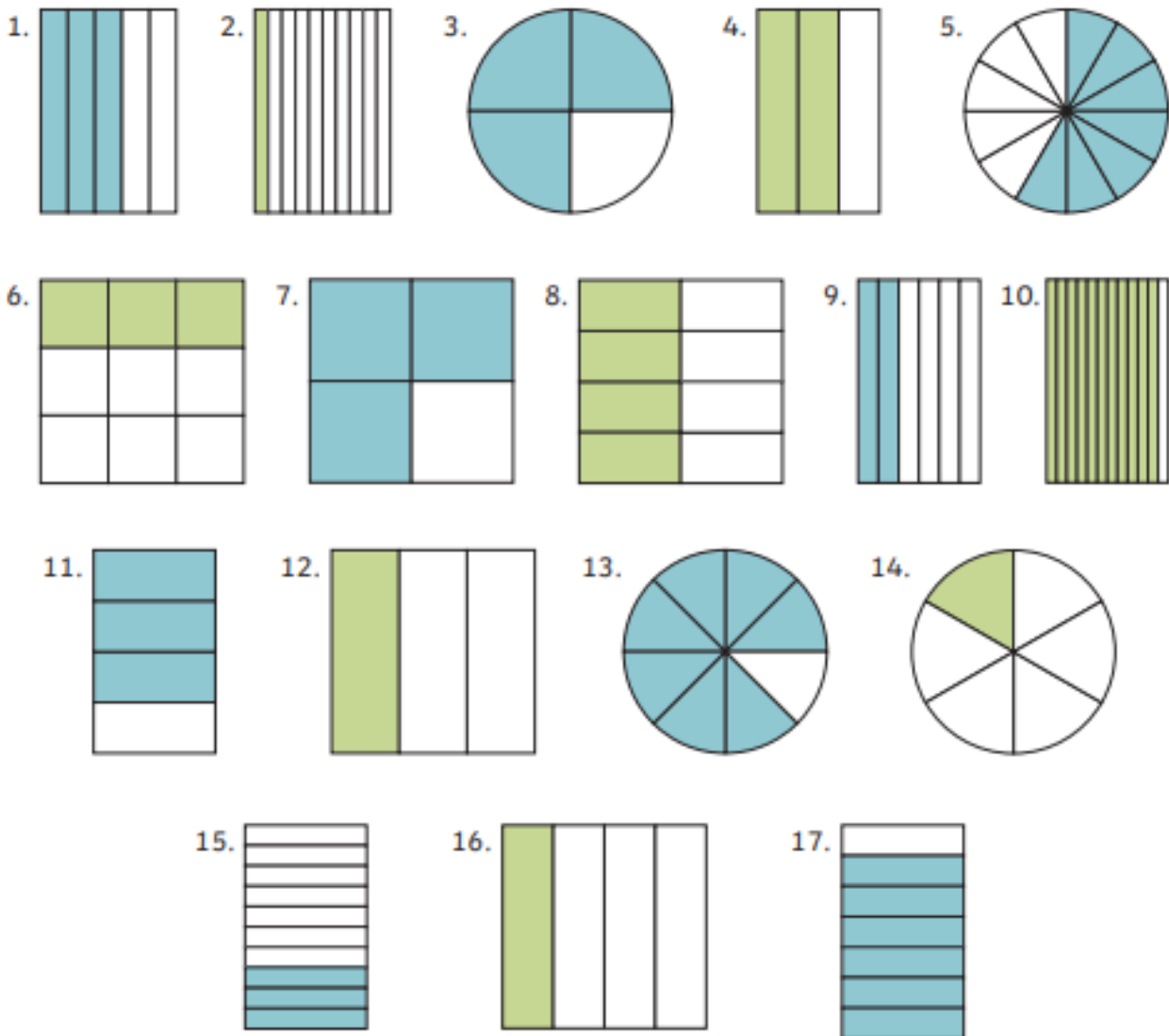

$$\begin{array}{r} 333 - 300 \\ = 33 \end{array}$$


$$\begin{array}{r} 606 + 400 \\ = 1006 \end{array}$$

Clue 1: Male / Female

Clue 2: Hop to It!

Help the Easter Bunny work out the coloured fractions of these shapes. Use your answers and the table of letters to discover an important clue about the crime scene.



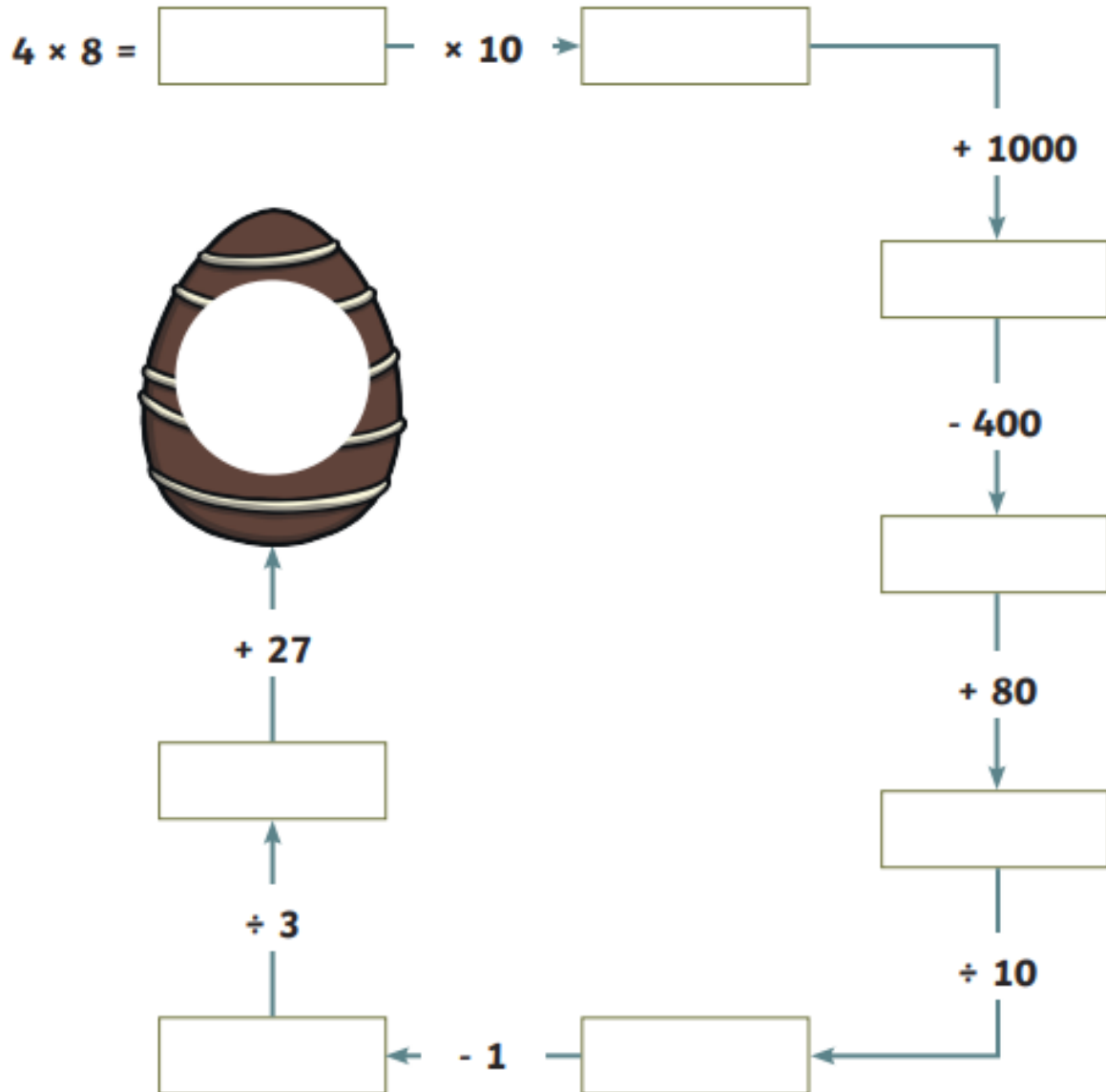
A	B	C	D	E	F	G	H	I	J	K	L	M
$\frac{3}{4}$	$\frac{3}{5}$	$\frac{2}{3}$	$\frac{6}{7}$	$\frac{9}{12}$	$\frac{7}{8}$	$\frac{2}{5}$	$\frac{3}{9}$	$\frac{4}{8}$	$\frac{2}{4}$	$\frac{7}{12}$	$\frac{1}{10}$	$\frac{8}{12}$

N	O	P	Q	R	S	T	U	V	W
$\frac{1}{4}$	$\frac{1}{6}$	$\frac{3}{8}$	$\frac{1}{5}$	$\frac{2}{6}$	$\frac{1}{3}$	$\frac{2}{14}$	$\frac{3}{10}$	$\frac{8}{9}$	$\frac{11}{12}$

Clue 2: _____

Clue 3: What's the Decade?

Follow the instructions and work out in which decade the age of the culprit falls.



Clue 3: The culprit is in their _____

Clue 4: What's the Time?

*Read these times and find the digital equivalent in the box below.
Rearrange the words below your answers to reveal another clue.*

twenty to seven

quarter past six

ten to eight

twenty-five past eleven

quarter to three

five past twelve

twenty past one

ten past ten

18.15	12.30	11.25	19.50
a	not	lead	found

2.45	7.20	12.05	6.40
was	next	dog	on

15.15	13.20	5.12	10.10
to	the	costume	floor



Clue 4: _____

Clue 5: What's the Flavour?

A crisp wrapper was found near the costume cupboard. Work out the answers to the calculations below and then rearrange the letters to identify the flavour of crisps and solve the last clue!

A	B	C	D	E	F	G	H	I	J	K	L	M
10	12	24	400	16	32	100	8	45	20	40	6	35

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
240	9	64	28	36	60	50	2	11	90	3	18	0



1. $3 \times \square = 30$

2. $160 \div 4 = \square$

3. $\square \div 4 = 9$

4. $5 \times 9 = \square$

5. $54 \div 6 = \square$

6. $\square \times 3 = 150$

7. $6 \times 4 = \square$

8. $100 \div 10 = \square$

9. $80 \times 3 = \square$

10. $8 \times 8 = \square$

11. $180 \div 2 = \square$

12. $36 \div 6 = \square$

13. $2 \times \square = 48$

Clue 5: _____

Have you solved the mystery?

The Easter bunny costume wrecker is: _____