The Mystery of the Secret Santa

It is Christmas Day and Noel and his family have been eating lots of festive food, listening to their favourite Christmas music and opening their presents. As the family are opening the last of the presents, Noel spots something at the back of the tree. It's a small present that has this label attached to it.



Help Noel solve the clues to reveal the identity of the Secret Santa.









Name	Age	Relationship	Eye Colour	Favourite Christmas Food	Christmas Clothing
Eleanor	14	neighbour	green	mince pies	jumper
Lewis	65	colleague	brown	candy cane	socks
Andrew	29	family	green	gingerbread	pyjamas
Marie	53	friend	blue	turkey	socks
Dominic	40	family	blue	candy cane	jumper
Sanjay	36	colleague	hazel	turkey	jumper
Mei	71	neighbour	brown	mince pies	pyjamas
Nora	45	friend	hazel	mince pies	socks
Gerwin	35	friend	brown	candy cane	socks
Melanie	48	colleague	green	candy cane	pyjamas
Toby	54	colleague	brown	turkey	jumper
Louisa	37	friend	hazel	gingerbread	jumper
Senan	21	neighbour	brown	turkey	socks
Mario	46	friend	blue	gingerbread	pyjamas
Xian	10	neighbour	green	candy cane	jumper
Abigail	8	family	blue	gingerbread	pyjamas
Jack	22	family	brown	mince pies	socks
Selma	56	colleague	hazel	mince pies	pyjamas
Brian	35	friend	blue	turkey	socks
Maeve	61	family	blue	candy cane	jumper
Solene	43	neighbour	brown	gingerbread	socks
Craig	23	family	hazel	mince pies	pyjamas
Jane	50	colleague	green	turkey	jumper
Francesca	33	neighbour	brown	gingerbread	pyjamas
	Eleanor Lewis Andrew Marie Dominic Sanjay Mei Nora Gerwin Melanie Toby Louisa Senan Mario Xian Abigail Jack Selma Brian Maeve Solene Craig Jane	Eleanor 14 Lewis 65 Andrew 29 Marie 53 Dominic 40 Sanjay 36 Mei 71 Nora 45 Gerwin 35 Melanie 48 Toby 54 Louisa 37 Senan 21 Mario 46 Xian 10 Abigail 8 Jack 22 Selma 56 Brian 35 Maeve 61 Solene 43 Craig 23 Jane 50	Eleanor 14 neighbour Lewis 65 colleague Andrew 29 family Marie 53 friend Dominic 40 family Sanjay 36 colleague Mei 71 neighbour Nora 45 friend Gerwin 35 friend Melanie 48 colleague Toby 54 colleague Louisa 37 friend Senan 21 neighbour Mario 46 friend Xian 10 neighbour Abigail 8 family Jack 22 family Selma 56 colleague Brian 35 friend Maeve 61 family Solene 43 neighbour Craig 23 family Jane 50 colleague	Eleanor 14 neighbour green Lewis 65 colleague brown Andrew 29 family green Marie 53 friend blue Dominic 40 family blue Sanjay 36 colleague hazel Mei 71 neighbour brown Nora 45 friend hazel Gerwin 35 friend brown Melanie 48 colleague green Toby 54 colleague brown Louisa 37 friend hazel Senan 21 neighbour brown Mario 46 friend blue Xian 10 neighbour green Abigail 8 family blue Jack 22 family brown Selma 35 friend blue Maeve 61 family blue Solene 43 neighbour brown Craig 23 family hazel Jane 50 colleague green	NameAgeRelationshipEye ColourChristmas FoodEleanor14neighbourgreenmince piesLewis65colleaguebrowncandy caneAndrew29familygreengingerbreadMarie53friendblueturkeyDominic40familybluecandy caneSanjay36colleaguehazelturkeyMei71neighbourbrownmince piesGerwin35friendbrowncandy caneMelanie48colleaguegreencandy caneToby54colleaguebrownturkeyLouisa37friendhazelgingerbreadSenan21neighbourbrownturkeyMario46friendbluegingerbreadXian10neighbourgreencandy caneAbigail8familybluegingerbreadJack22familybrownmince piesSelma56colleaguehazelmince piesBrian35friendblueturkeyMaeve61familybluecandy caneSolene43neighbourbrowngingerbreadCraig23familyhazelmince piesJane50colleaguegreenturkey





Clue 1: Compare the Fractions and Mixed Numbers

Use a <, > or = symbol to make each statement true. Then, count how many of each symbol you have used to reveal a clue about the age of the Secret Santa.

If there are more > symbols, the Secret Santa's age is a multiple of 5. If there are more = symbols, the Secret Santa's age is an even number. If there are more < symbols, the Secret Santa's age is an odd number. $\frac{1}{3}$ <u>6</u> 10 16 24 <

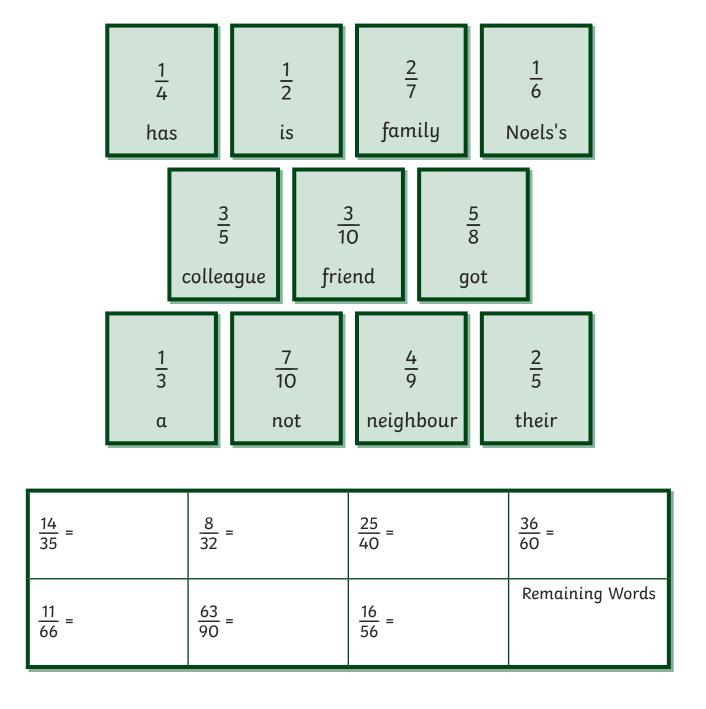
Clue 1: The Secret Santa's age is ______





Clue 2: Simplifying Fractions

Match each fraction in the table to its simplified form above. Then, rearrange the words on the remaining fraction cards to spell out the next clue to reveal information about the relationship between Noel and the Secret Santa.



Clue 2: The Secret Santa _____ or _____.





Clus 2: Multiplication Criti

Multiply the fractions in the multiplication grid and write each answer in the simplest form. Then, match each answer to the corresponding word in the table below. Rearrange the words to spell out the next clue and reveal the eye colour of the Secret Santa.

	х	<u>2</u> 3	7 10	<u>1</u> 4	
	<u>3</u> 5				
	<u>4</u> 9		R		
4 36		<u>8</u> 27	14 45		<u>6</u> 15
blue		Secret	the		Noel's
<u>6</u> 12		10 15	<u>1</u>		<u>1</u> 5
they are	they are not		brown	1	colour
<u>2</u> 5		<u>28</u> 90	<u>21</u> 50		3 20
eyes		hazel	are		Santa's

Clue 3:





Clue 4: True or False?

Identify whether each mathematical statement is true or false and tick the correct column. Each answer is given in its simplest form.

If there are more true answers, the Secret Santa is wearing Christmas pyjamas.

If there are more false answers, the Secret Santa is wearing Christmas socks.



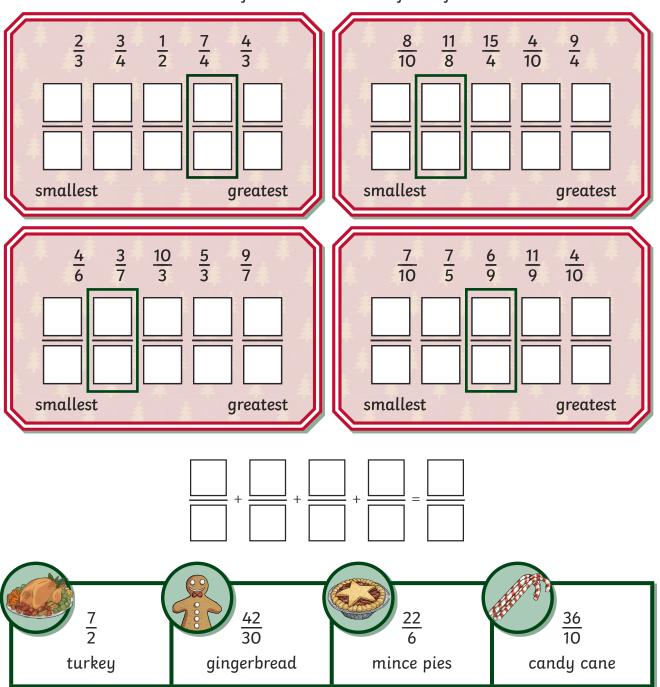
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41 60		True	False	0.00
A STATE OF THE PARTY OF THE PAR	$\frac{2}{8} + \frac{5}{2} + \frac{9}{4} = 5$			7
11111	$3\frac{4}{10} - \frac{8}{3} = \frac{11}{15}$			TIME
	$\frac{7}{9} - \frac{3}{11} = \frac{74}{99}$			*
700	$\frac{10}{8} + 1\frac{6}{7} = \frac{23}{56}$			Tors
Control of the latest	$\frac{55}{100} - \frac{2}{5} = \frac{53}{95}$			
101	$2\frac{1}{12} = \frac{14}{12} + \frac{4}{6} + \frac{1}{4}$			ANI
	$\frac{84}{24} - 3\frac{1}{3} = 2$			***
11 1 1 1 W.	Total			A serve



Clue 4: The Secret Santa is wearing Christmas ______.

Clus 5: Ordering Fractions

Order each group of fractions order from smallest to greatest. Then, add the fractions highlighted together and write the answer in its **simplest form**. Match the answer to a word to reveal the favourite Christmas food of the Secret Santa.



Clue 5: The Secret Santa's favourite Christmas food is _____

The Secret Santa is ______.



