

	Gender	Favourite biscuit	Phone	Transport method	
Mr Asparagus	Male	Gingerbread men	iPhone	Bus	
Miss Artichoke	Female	Chocolate cookie	Samsung	Bus	
Mrs Bacon	Female	Gingerbread men	Nokia	Walk	
Mrs Broccoli	Female	Hobnob	Samsung	Car	
Miss Carrots	Female	Chocolate cookie	Nokia	Car	
Mrs Chicken	Female	Plain digestive	iPhone	Walk	
Mr Duck	Male	Plain digestive	iPhone	Bus	
Miss Enchilada	Female	Chocolate cookie	iPhone	Bus	
Mr Fajita	Male	Hobnob	Samsung	Bus	
Mrs Fish	Female	Plain digestive	Samsung	Walk	
Mr Grape	Male	Chocolate cookie	iPhone	Walk	
Mrs Ham	Female	Gingerbread men	Nokia	Car	
Miss Humus	Female	Plain digestive	Nokia	Car	
Mr Jalapeno	Male	Chocolate cookie	Nokia	Walk	
Miss Kiwi	Female	Chocolate cookie	iPhone	Car	
Mrs Lobster	Female	Hobnob	Samsung	Car	
Miss Milk	Female	Gingerbread men	Nokia	Bus	
Miss Noodles	Female	Plain digestive	Samsung	Walk	
Mr Pizza	Male	Plain digestive	Nokia	Walk	
Miss Quesadilla	Female	Chocolate cookie	Samsung	Walk	
Mrs Quiche	Female	Gingerbread men	Samsung	Bus	
Mr Spaghetti	Male	Chocolate cookie	iPhone	Car	
Miss Toast	Female	Hobnob	iPhone	Bus	
Mrs Walnuts	Female	Plain digestive	iPhone	Car	
Mr Yogurt	Male	Chocolate cookie	Samsung	Bus	
Mr Zucchini	Male	Gingerbread men	Nokia	Walk	

Record the clues that were found.

Clue 1: **a broken chocolate cookie** _____

Clue 2: **a lipstick tube** _____

Clue 3: **an iphone charger** _____

Clue 4: **a buspass** _____

The murderer is **Miss Enchilada** _____

Remember for all clues: a = 1, b = 2, c = 3, d = 4, e = 5 ect.

Clue 1

Solve the addition and subtraction problems. Once solved, simplify the answers and the numerator will tell you what letter of the alphabet you need.

eg. $\frac{2}{4} + \frac{3}{8} = \frac{7}{8} = G$

$$\frac{3}{5} + \frac{4}{10} = \frac{10}{10} = 1$$

A

$$\frac{4}{3} - \frac{2}{3} = \frac{2}{3}$$

B

$$\frac{17}{38} + \frac{1}{2} = \frac{18}{19}$$

R

$$\frac{46}{3} - \frac{1}{3} = 15$$

O

$$\frac{1}{3} + \frac{2}{5} = \frac{11}{15}$$

K

$$\frac{22}{21} - \frac{2}{6} = \frac{5}{7}$$

E

$$\frac{3}{50} + \frac{1}{2} = \frac{14}{25}$$

N

$$\frac{16}{21} - \frac{2}{6} = \frac{3}{7}$$

C

$$\frac{22}{45} + \frac{2}{5} = \frac{8}{9}$$

H

$$\frac{31}{17} - \frac{16}{17} = \frac{15}{17}$$

O

$$\frac{1}{4} + \frac{1}{2} = \frac{3}{4}$$

C

$$\frac{61}{48} - \frac{2}{6} = \frac{15}{16}$$

O

$$\frac{11}{26} + \frac{2}{4} = \frac{12}{13}$$

L

$$\frac{1}{3} + \frac{4}{6} = 1$$

A

$$\frac{5}{3} - \frac{5}{7} = \frac{20}{21}$$

T

$$\frac{77}{14} - \frac{2}{4} = 5$$

E

$$\frac{19}{15} - \frac{6}{9} = \frac{3}{5}$$

C

$$\frac{9}{19} + \frac{6}{19} = \frac{15}{19}$$

O

$$\frac{61}{48} - \frac{2}{6} = \frac{15}{16}$$

O

$$\frac{10}{17} + \frac{2}{34} = \frac{11}{17}$$

K

$$\frac{49}{33} - \frac{12}{18} = \frac{9}{11}$$

I

$$\frac{3}{2} - \frac{2}{3} = \frac{5}{6}$$

E

Clue 2

Solve the addition and subtraction problems. Once solved, simplify the answers and the numerator will tell you what letter of the alphabet you need.

eg. $\frac{2}{4} \times \frac{1}{2} = \frac{1}{4} = A$

$$\frac{3}{6} \times 2 = 1$$

$$10 \div \frac{5}{6} = 12$$

$$\frac{27}{11} \times \frac{2}{6} = \frac{9}{11}$$

$$\frac{16}{3} \div \frac{1}{3} = 16$$

$$\frac{19}{18} \times \frac{6}{7}$$

$$\frac{5}{21} \div \frac{1}{4}$$

$$\frac{9}{4} \times \frac{2}{5}$$

$$1 \div \frac{2}{6}$$

$$\frac{55}{48} \times \frac{4}{5}$$

A

L

I

P

S

T

I

C

K

T

$$\frac{21}{11} \times \frac{1}{2} = \frac{21}{22}$$

$$\frac{7}{4} \div \frac{7}{8} = 2$$

$$\frac{15}{16} \times \frac{8}{9} = \frac{5}{6}$$

U

B

E

$$= \frac{19}{21} \quad \text{—}$$

$$= \frac{20}{21} \quad \text{—}$$

$$= \frac{9}{10} \quad \text{—}$$

$$= 3$$

$$= \frac{11}{12} \quad \text{—}$$

$$= \frac{20}{21} \quad \text{—}$$

Clue 3

Change the fraction into a percentage. The percentage will be the letter.

eg. $\frac{1}{5} = 20\% = T$

$$\frac{1}{100} = 1\%$$

$$\frac{1}{100} = 1\%$$

A

$$\frac{7}{50} = 14\%$$

$$\frac{9}{50} = 18\%$$

R

$$\frac{9}{100} = 9\%$$

$$\frac{7}{100} = 7\%$$

G

$$\frac{4}{25} = 16\%$$

$$\frac{2}{40} = 5\%$$

E

$$\frac{2}{25} = 8\%$$

$$\frac{18}{100} = 18\%$$

R

$$\frac{3}{20} = 15\%$$

$$\frac{7}{50} = 14\%$$

$$\frac{1}{20} = 5\%$$

A

N

I

P

H

O

N

E

C

H

$$\frac{100}{3} = 3\%$$

$$\frac{8}{100} = 8\%$$

Clue 4

Convert the fraction into a decimal. The numbers after the decimal represent a letter.

eg. $\frac{2}{5} = 0.4 = \text{D}$

$$\frac{1}{10} = \mathbf{0.1}$$

A

$$\frac{1}{5} = \mathbf{0.2}$$

B

$$\frac{21}{100} = \mathbf{0.21}$$

U

$$\frac{19}{100} = \mathbf{0.19}$$

S

$$\frac{4}{25} = \mathbf{0.16}$$

P

$$\frac{1}{10} = \mathbf{0.1}$$

A

$$\frac{19}{100} = \mathbf{0.19}$$

S

$$\frac{19}{1000} = \mathbf{0.019}$$

S