

The Mystery of The Place Value Shopping Scam Sham

At the local supermarket, The Value Place, there's been some fiddling of items and some thefts from one of the regular shoppers. Luckily, all the systems in place have identified the problem. Now all the manager has to do is identify the shopping scammer.

It's your job as the Chief Inspector on the case to find out the identity of the Shopping Sham Scammer. The police officers have closed off the supermarket so that none of the shoppers can leave until the thief has been identified.

You have the Scenes of Crime Officers (SOCOs) to help you. You must find the culprit as soon as possible.

Solve the following clues to whittle down the suspects based on their gender, vehicle, cost of their shopping, weight of their shopping and payment method in order to find the Place Value Shopping Sham Scammer!



The Suspect Shoppers at The Value Place

Name	Gender	Vehicle	Cost of Shopping	Weight of Shopping	Payment Method
Ava Avocado	F	Car	£78.88	35.07kg	Cash
Amir Almond	M	Taxi	£188.81	69.90kg	Debit Card
Billy Beans	M	Van	£130.03	45.08kg	Vouchers
Brianna Brioche	F	Walk	£198.89	66.60kg	Credit Card
Candice Cantaloupe	F	Car	£100.01	40.06kg	Store Card
Celo Cereals	M	Van	£172.10	62.10kg	Debit Card
Disa Digestives	F	Taxi	£154.23	57.62kg	Cash
Dilbert Dall	M	Bike	£70.01	37.52kg	Credit Card
Edie Edam	F	Van	£149.09	51.06kg	Debit Card
Egon Eggs	M	Car	£60.60	30.08kg	Debit Card
Ffion Fish	F	Walk	£123.32	43.34kg	Vouchers
Franc Falafel	M	Van	£180.08	65.77kg	Cash
Gordon Gammon	M	Car	£156.16	53.12kg	Cash
Gina Gingerbread	F	Taxi	£175.75	64.44kg	Debit Card
Hamil Ham	M	Bike	£265.50	72.27kg	Credit Card
Hettie Halloumi	F	Bike	£69.99	34.43kg	Cash
Isaac Icing	M	Car	£168.04	59.03kg	Debit Card
Isla Ice Cream	F	Van	£201.10	70.07kg	Cash
Jamila Jam	F	Taxi	£116.61	41.99kg	Debit Card
Julian Juice	M	Bike	£179.09	63.63kg	Vouchers
Kam Kale	M	Car	£143.02	52.87kg	Cash
Kryssa Kiwi	F	Bike	£101.01	49.90kg	Debit Card
Leonard Lettuce	M	Walk	£155.00	56.87kg	Cash
Lisa Leek	F	Van	£203.03	71.71kg	Store Card
Milly Milk	F	Car	£68.18	32.23kg	Debit Card
Malik Muffin	M	Taxi	£130.30	48.08kg	Credit Card
Nadia Nacho	F	Bike	£145.54	54.45kg	Cash
Noel Noodles	M	Walk	£182.02	67.11kg	Vouchers
Olivia Olive	F	Van	£77.01	42.00kg	Debit Card
Oliver Onion	M	Car	£170.07	61.01kg	Store Card
Peter Peaches	M	Taxi	£65.56	31.33kg	Cash
Pamela Pizza	F	Car	£81.18	44.04kg	Vouchers

Clue 1

The SOCOs have found part of a supermarket reward card belonging to the thief. Most of the name is worn away but you can make out their title which tells you something about the culprit. Using the grid, find which letter corresponds to the numbers below to spell out the answer.

x	0.4	4	1.2	12	3.4	0.34	5.6	0.56	7.8	0.78
10	B	O	F	G	S	E	J	D	I	C
100	K	L	G	H	A	Y	N	J	M	I
1000	L	R	H	U	P	A	T	N	W	M

5600	1200	3.4

7.8	12000	400	3400	4000	78	5600

78	34	12	3.4	780	340	400	3.4

Clue 2

The SOCOs have analysed some of the payment data and receipts from The Value Place supermarket and have found something out about the culprit.

Solve the clue to find out what they have found.

A	B	C	D	E	F
1	2	3	4	5	6

G	H	I	J	K	L
6	1	2	3	4	5

M	N	O	P	Q	R
4	5	6	1	2	3

S	T	U	V	W	Y
3	4	5	6	1	2

Look at the 6-digit numbers at the top of the page and use them to solve the clue at the bottom of the page by finding which digit the description refers to.

Letter	Description
e.g. P	One hundred
	One hundred thousand
	Two thousand
	Four hundred
	Twenty Thousand
	Two
	Three thousand
	One hundred thousand
	Three
	Four hundred



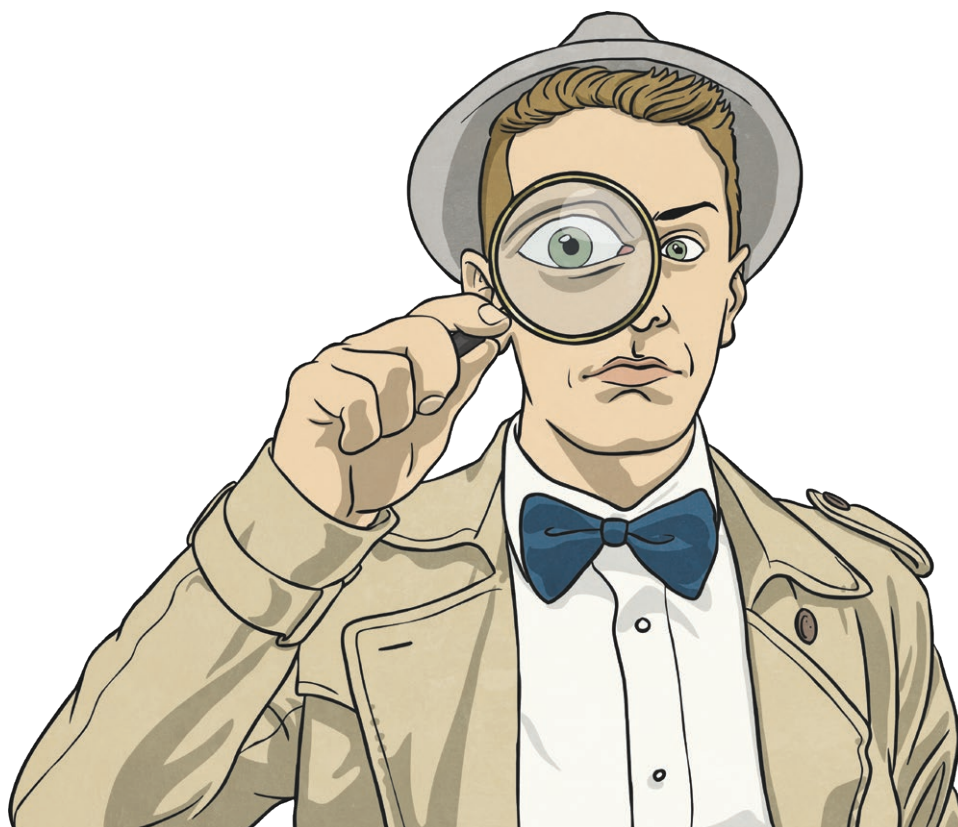
Clue 3

You have done some investigating into the payment method and have ruled out some payment amounts.

Work out the following calculations and eliminate any suspects who have spent that amount.

Change these amounts from pence to £	
15 757p	
20 303p	
16 116p	
10 110p	

One British pound = roughly 10 Hong Kong Dollars. Change these amounts from HK\$ to £	
HK\$1988.90	
HK\$868.10	
HK\$1000.10	
HK\$771.00	



Clue 4

You have been analysing the weight records from the supermarket tills and you can eliminate some showing weights that you have found tally exactly with the amount spent.

Look at the weights below. Any suspects with these shopping weights are innocent. The trouble is, the suspects' shopping has been recorded in kg but the weights are listed here in grams. You will have to change some units.

Weight in grams	Weight in kg
42 000g	
23 320g	
41 990g	
60 060g	
52 000g	
46 460g	
64 440g	
50 610g	
49 900g	



Clue 5

The SOCOs have found that the same payment method was used at the supermarket petrol station, The Gas Place.

This has revealed one last clue about the method of transport used by the culprit.

Colour in the squares in the grid that match the following calculations to reveal the mode of transport.

Multiplication	Division
1.02×10	$65.05 \div 10$
2.1×10	$8.08 \div 10$
0.02×10	$99 \div 10$
3.09×10	$123 \div 10$
50.7×10	$0.3 \div 10$
0.013×100	$1003 \div 100$
4.102×100	$567 \div 100$
6.06×100	$33.3 \div 100$
9.09×100	$198.2 \div 100$
0.073×100	$1905 \div 100$
0.101×1000	$1900 \div 1000$
0.006×1000	$3000 \div 1000$
	$5 \div 1000$

6	6.55	1.3	12.0	10.3	0.03	1.23	2.0	0.005	12.0	60.6	410.2
21.0	0.9	5.67	41.2	6.505	0.88	1.9	3.9	909	0.333	19.82	101
606	90.9	0.2	73	9.9	1.982	10.2	3.33	7.3	19.5	10.03	507
56.7	0.808	0.13	10.1	30.9	0.30	3.0	5.7	19.05	190	1.2	12.3

The Confession

When the culprit was finally caught, they had this to say:

x	12	9	7	3	20	6	8	4	30	5
10	O	M	©	R	Q	V	N	A	L)
5	V	F	:	C	#	R	A	(@	=
4	B	E	G	-	N	H	D	W	O	+
7	"	!	Z	I	\	S	.	G	\$:
9	U	[	!	®	T	®	Y	E	<	F
100	K	/	£	L	&	J	%	>	P	'
3	E	®	I	~	V	,	H	-	M	C
8	]	Y	.	H	*	B	X	D	?	A
12	,	U	"	E	?	Y	"	B	;	V
6	Y	®	S	,	O	E	B	H	T	R

21	180	24	21	80	1200

21	16	40	42

The Confession

120	45	45	90	72

180	30	120	300	300	36	72	63

Clue 1

Answers

Reveals: The Culprit is female.

5600	1200	3.4
T	H	E

7.8	12000	400	3400	4000	78	5600
C	U	L	P	R	I	T

78	34	12	3.4	780	340	400	3.4
I	S	F	E	M	A	L	E

Clue 2 Answers

Answer: PAID BY CARD

Letter	Description
P	One hundred
A	One hundred thousand
I	Two thousand
D	Four hundred
B	Twenty Thousand
Y	Two
C	Three thousand
A	One hundred thousand
R	Three
D	Four hundred

Clue 3 Answers

Reveals three amounts to eliminate:

pence to £		HK\$ TO £	
15 757p	£157.57	HK\$1988.90	£198.89
20 303p	£203.03	HK\$868.10	£86.81
16 116p	£161.16	HK\$1000.10	£100.01
10 110p	£101.10	HK\$771.00	£77.10

Clue 4 Answers

Reveals four amounts to eliminate:

Weight in grams	Weight in kg
42 000g	42kg
23 320g	23.32kg
419 90g	41.99kg
60 060g	60.06kg
52 000g	52kg
46 460g	46.46kg
64 440g	64.44kg
50 610g	50.61kg
49 900g	49.90kg

Clue 5 Answers

Reveals: van

6	6.55	1.3	12.0	10.3	0.03	1.23	2.0	0.005	12.0	60.6	410.2
21.0	0.9	5.67	41.2	6.505	0.88	1.9	3.9	909	0.333	19.82	101
606	90.9	0.2	73	9.9	1.982	10.2	3.33	7.3	19.5	10.03	507
56.7	0.808	0.13	10.1	30.9	0.30	3.0	5.7	19.05	190	1.2	12.3

The Culprit:

Edie Edam

The Confession:

I think I was off my trolley!

21	180	24	21	80	1200
I	T	H	I	N	K

21	16	40	42
I	W	A	S

120	45	45	90	72
O	F	F	M	Y

180	30	120	300	300	36	72	63
T	R	O	L	L	E	Y	!