

Clue 1 answers

Lines of symmetry	Colours (including white)	Shapes (all shapes may not be listed)	Extra information	Letter
4	2	4 triangles	No red	M
1	2	2 triangles	No quadrilaterals	O
1	2	1 pentagon 1 isosceles triangle	No blue	B
4	2	1 circle		I
2	2	4 squares	No white	L
1	2	2 rectangles	No yellow or white	E
4	2	1 circle		I
4	2	1 small square	White covers most area	S
4	2	1 small square	White covers most area	S
1	2	Pentagon, isosceles triangle, rectangle		A
4	2	4 triangles	No red	M
4	2	1 small square	White covers most area	S
2	2	4 squares	No yellow	U
2	2	16 squares		N
1	2	6 rectangles		G

Clue 2 - Binary

Binary uses only 1 and 0

The binary number 29 is 11011 (16+8+2+1)

16	8	4	2	1
1	1	0	1	1

Change each binary number to ordinary base 10 numbers.

Binary Number	Number	Letter
10100	20	T
1000	8	H
101	5	E
111	7	G
10101	21	U
1001	9	I
1100	12	L
10100	20	T
11001	25	Y
1111	15	O
1110	14	N
101	5	E
10111	23	W
101	5	E
1	1	A
10010	18	R
10011	19	S
111	7	G
1100	12	L
1	1	A
10011	19	S
10011	19	S
101	5	E
10011	19	S

Clue 3 – Money talks

Work out the smallest number of coins it takes to make each of these amounts (before you multiply or add). It may help to work out how many coins you need to make each amount from 1p to 99p.

So 18p x 39p = 4 x 5 = 20

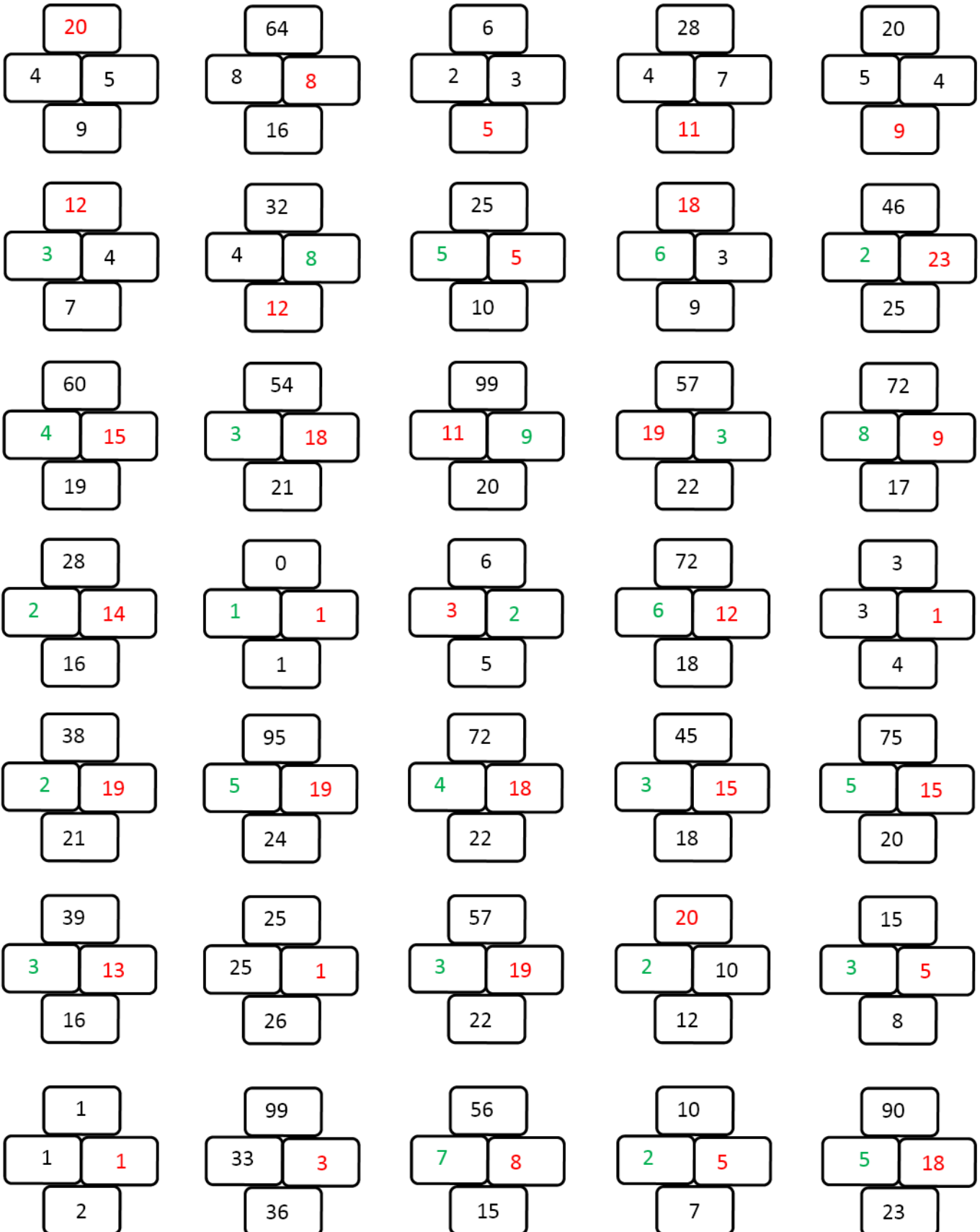
18p = 10 + 5 + 2 + 1 (4 coins)

39p = 20 + 10 + 5 + 2 + 2 (5 coins)

Coins	Number	Letter
33p x 48p	20	t
19p x 11p	8	h
68p	5	e
33p x 73p	16	p
54p x 79p	15	o
75p x 61p	9	i
(89p x 75p) + 1p	19	s
94p x 57p	15	o
£1.99 x 60p	14	n
84p	5	e
99p x 16p	18	r
24p x 45p	9	i
(88p x 23p) + 50p	19	s
20p	1	a
(42p x 43p) + 20p	13	m
16p x 9p	9	i
(98p x 32p) + 5p	19	s
(27p x 99p) + 10p	19	s

Clue 4

Answer reads: The killer works in a classroom as teacher



Clue 5 Mix and Match

Pair up the right answer to the right calculation and then join up the part words to decipher the message.

1	th	$12 \times 6 \times 15$		1075	uri	3
2	lle	$16 \times (90.1 - 22.8)$		1066.7	nta	5
3	avo	$56652.5 \div (78.5 - 25.8)$		1076.8	rsf	2
4	ted	$(15.6 + 18.6) \times (14.7 + 15.8)$		1068.08	sal	6
5	kco	$812.6 + 15.4 \times 16.5$		1080	eki	1
6	in	$(31.7 - 14.8) \times (98.3 - 35.1)$		1077.93	ol	7
7	coh	$(38.7 - 18.4) \times (22.7 + 30.4)$		1043.1	rin	4

Answer: thekillersfavourite drink contains alcohol