

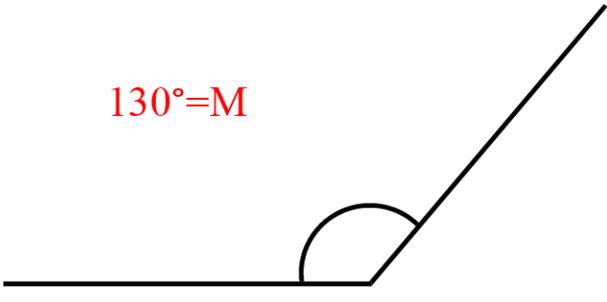
### Clue 1 – Get into shape.

The answer to each question is a number. The number needs to be changed into a letter from the alphabet. A= 1, B=2 etc.

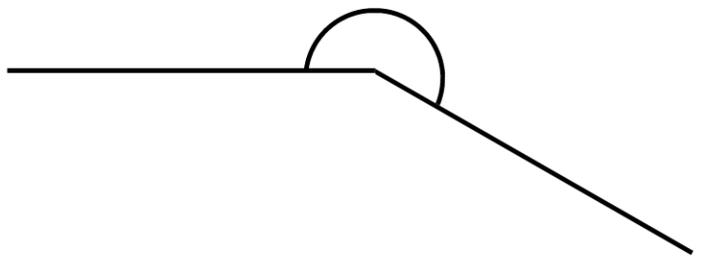
1. Total number of sides of 5 squares 20=T
2. An octagon has \_\_\_ sides 8=H
3. A square based pyramid has \_\_\_ vertices 5=E
4. The total sides of a triangle, square and a hexagon 13=M
5. The total sides of an octagon, a heptagon and a hexagon 21=U
6. The total sides of 2 nonagons 18=R
7. A rhombus has \_\_\_ sides 4=D
8. A pentagon has \_\_\_ sides 5=E
9. Total sides of an octagon and a decagon 18=R
10. Half the number of sides of a decagon 5=E
11. The number of sides in a triangle multiplies by the number of sides in a hexagon 18=R
12. A parallelogram has \_\_\_ sides 4=D
13. Total sides of 3 hexagons 18=R
14. The number of sides in one equilateral triangle, one right angle triangle, one isosceles triangle and two scalene triangles. 15=O
15. The number of right angles in 2 squares and 2 rectangles 16=P
16. Total sides of 4 rectangles 16=P
17. Number of lines of symmetry in a regular pentagon 5=E
18. Number of sides of a trapezium 4=D
19. Number of lines of symmetry in a kite 1=A
20. A cube has \_\_\_ vertices 8=H
21. Number of sides a circle has 1=A
22. The total sides of 4 pentagons 20=T

Clue 2—Look at the mystery from a new angle!  
In this clue, the  $10^\circ = a$ ,  $20^\circ = b$ , etc.

$130^\circ = M$



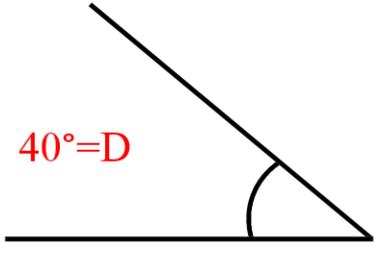
$210^\circ = U$



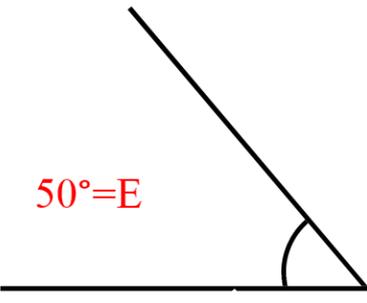
$180^\circ = R$



$40^\circ = D$



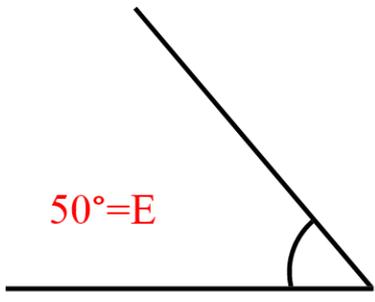
$50^\circ = E$



$180^\circ = R$



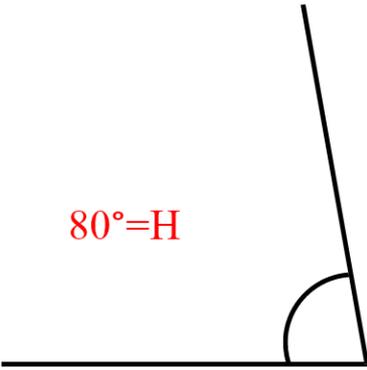
$50^\circ = E$



$180^\circ = R$



$80^\circ = H$



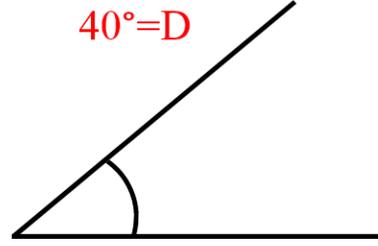
$10^\circ = A$



190°=S



40°=D



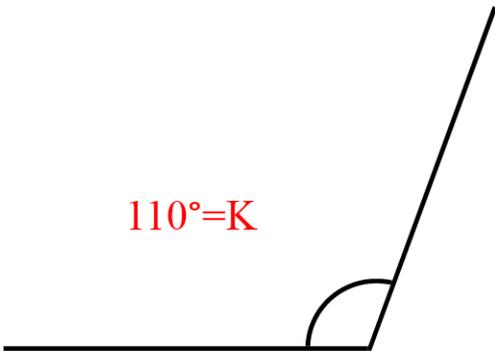
10°=A



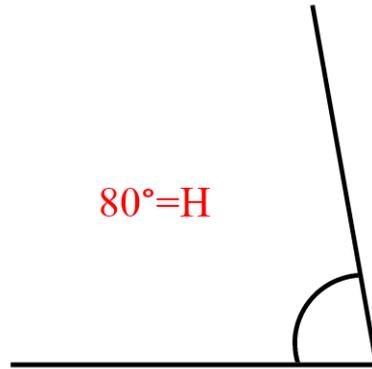
180°=R



110°=K



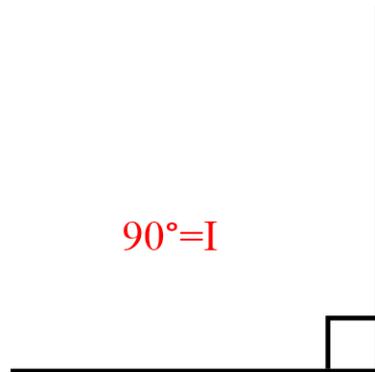
80°=H



10°=A



90°=I



180°=R



Clue 3 – Where do the compass points lead?



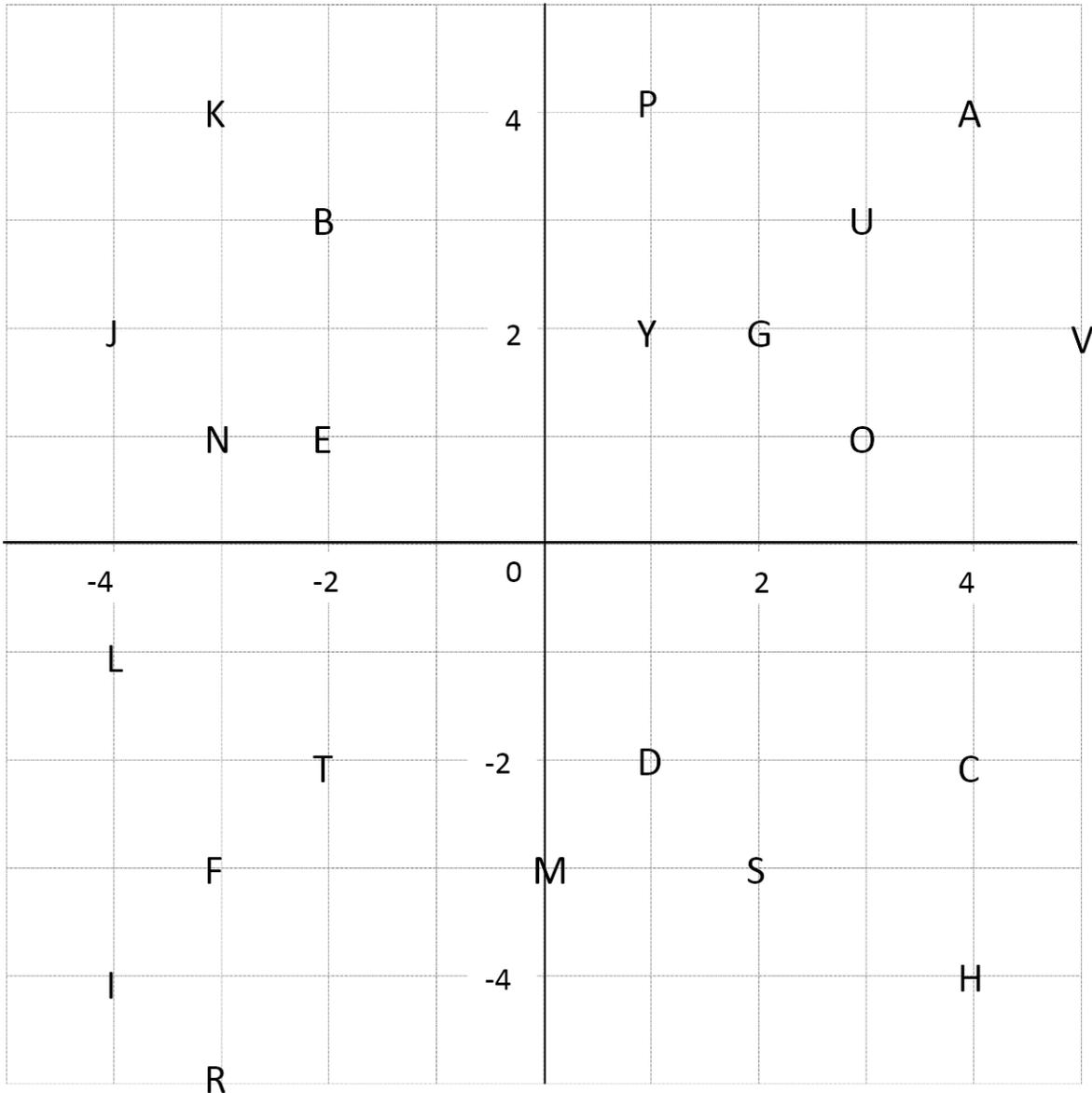
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	R	S	T	U
V	W	X	Y	start

The first direction begins from start. All other directions follow on from the previous letter. Each movement ends with /

N2, W4K/ E3, N1I/ W1, SW1L/ NE2, SW2L/ E1, NE2E/ SW3R/ NE2I/  
 S1, SW1S/ W2, S1, NE1R/ NE2I/ W2G/ E1H/ SW2, E3T/ N1, NW1H/  
 W1, NW1A/ S4, E1, NE2N/ S1, N3D/ S1, NE1E/ S4, NW4, E3D.

**KILLER IS RIGHT HANDED**

Clue 4 – It's time to co-ordinate your investigation.



(0,-3) M(3,3) U(-3,-5) R(1,-2) D(-2,1) E(-3,-5) R(-2,1) E(-3,-5) R

(1,-2) D(-3,-5) R(3,1) O(5,2)V (-2,1) E(3,1) O(-3,-3) F(-3,-3) F

(-4,-4)I (-3,1) N (4,4) A(-3,-5) R(-2,1)E (1,-2) D (4,-2) C(4,4)A

(-3,-5)R

Murderer drove off in a red car

### Clue 5 – Inspector Morse on the investigation.

A	.-	H	....	O	---	V	...-
B	-...	I	..	P	.--.	W	.--
C	-.-.	J	.---	Q	--.-	X	-.-
D	-..	K	-.-	R	.-.	Y	-.-
E	.	L	.-..	S	...	Z	--..
F	..-.	M	--	T	-	.	.....
G	--.	N	-.	U	..-		

The forty-two year old cleaner stepped into the room. Her part-time job did not prepare her for the shock. A body lying on the floor. She nearly fainted. Then she called her full-time supervisor. Phew. At least she had help. The twenty-three year old stopped. She stared.

Her skin turned a whiter shade of pale. Pulling herself together she dialled 999. The middle-aged operator asked her who she wanted.

She asked for the police. Her father-in-law was a policeman but he worked in a top-notch ten-year-old department in another constabulary. He was only part-time these days. Once the police had been called they started looking for the murder weapon.

The cleaner pointed to the large machine in the corner. On the X-ray machine was a note. A coded note. One they could not understand.

They made a half-hearted attempt to read it. Twenty-five minutes passed. The police arrived sirens blaring. An ambulance also turned up. The cleaner recognised her ex-boyfriend who was the driver.

Twenty-two minutes later the police began their investigation in the murder at the health spa .....

killer wore a skirt

**The punctuation on each line gives a letter in Morse Code.**

## Answers

- Clue 1      The murderer dropped a hat.
- Clue 2      Murderer has dark hair.
- Clue 3      Killer is right handed.
- Clue 4      Murderer drove off in a red car.
- Clue 5      Killer wore a skirt (the punctuation on each line gives a letter)

This should give Chardonay Hogg as the killer.