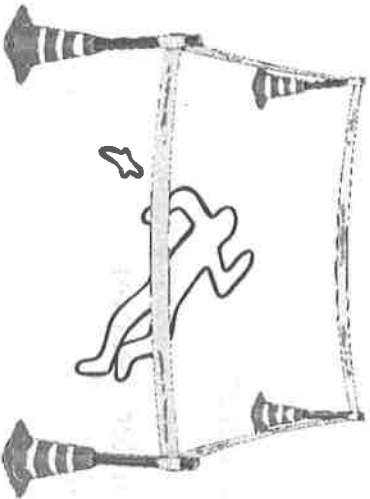


Murder Mystery at Dowdales



A murder has been committed in Dowdales school! A body has been discovered surrounded by mathematical objects. Some staff members stayed in late and were involved in doing some maths calculations. So one of them must be the murderer!

Your task is to find

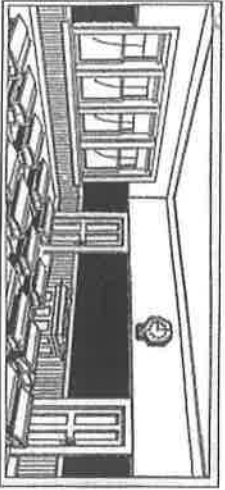
- The murderer
- The room
- The murder weapon
- The reason

Possible murder suspects:

- 1) Mr. France, who was wearing a white, T-shirt with 2 stripes and ripped jeans on the day of the murder
- 2) Mrs. McIntyer, who was wearing a knee-length green skirt, white blouse and gold watch
- 3) Mr. Rushton, who was wearing a blue Adidas T-shirt with 3 stripes on the sleeves, Bermuda shorts and a baseball cap
- 4) Mrs. Dalvi, who was wearing a black and white pin-stripe suit with shiny black shoes and the Red glasses
- 5) Mrs. Donnelly - who was wearing a blue knitted jumper with a picture of pi on the front, and brown cords
- 6) Miss Scott, Who was wearing a bright pink skirt and a shiny top
- 7) Mrs Dowson, who was wearing black skinny jeans and a stripy top
- 8) Mr. Graham, who was wearing a white shirt with a bright blue tie and blue trouser
- 9) Mr. Sargent who was wearing brown shorts with green Nike T-Shirt
- 10) Mr. Garnett, who was wearing black shirt and black crop trousers

Possible rooms:

- 1) The dining hall
- 2) the hall
- 3) Room 1
- 4) Room 2
- 5) Room 3
- 6) Room 4
- 7) Room 5
- 8) Maths corridor



Possible murder weapons:

- 1) A wooden metre ruler
- 2) A large metal stapler
- 3) A dusty trundle wheel
- 4) A sharp compass
- 5) A large maths textbook
- 6) An oversized calculator



Clue 1

	A	B	C	D	E	F	G
1	Glasses	Later	Skirt	A	Very	Six	Than
2	Hair	The	Short	All	Maths	Is	From
3	killing	Teachers	Paper	Random	Murderer	Enjoying	Left
4	Victim	Murderer	Compass	Pyramid	Mobile	Phone	Others
5	Stripy	Jeans	One	Taxi	Not	Wearing	Journey
6	Calculations	Evening	Chocolate	Tie	Compass	Sunny	And
7	Play	was	Ruler	Suspect	Male	sugar	Their
8	it	ground	Used	took	Shirt	yellow	day
9	Room	Used	Just	Trousers	Lovely	Walk	left
10	was	Left	coffee	wearing	Later	a	For

Messages

B2 B4 D8 F10 C7 G6 F10 E6 G2 E2 A9 F1 G6
 C8 C9 F10 C7 G10 A3

Clue 2

E F D M Z P E
 A R
 E T A D F
 T M U D
 I Q D Q
 R A G Z P
 A Z
 F T Q
 H U O F U Y E
 O X A F T U Z S

In this coded message, each letter of the original message has been replaced by a new letter.

All the As were replaced by Ms

All the Bs were replaced by Ns

All the Cs were replaced by Os

All the Ds were replaced by Ps

Etc.

Clue 3

If $a=1$, $b=2$, $c=3$ and so on.....

Answer the questions below to get letters, the letters will spell out the clues!

A)

1) $\sqrt{25}$

2) -4×-2

3) $3^2 \times 2 + 2$

B)

1) $5 \div 10 \times 10$

2) $60 \times 3 \div 10$

3) $7^2 - (6 \times 7) - 2$

4) $8 \times 3 - 11$

5) Half of 42

6) $-24 \div -6$

7) $3^2 + 3^2$

C)

1) A prime number more than 15 but less than 20

2) $3^2 - 2^2$

3) $4^2 + 2^2 + 2$

4) $\sqrt{144}$

5) $-8 \times 2 + 31$

D)

1) $7 \times 3 - 7$

2) 0.3×30

3) $\sqrt[3]{64}$

4) $2^3 + 1$

5) $\frac{1 \times 2 \times 3 \times 4}{6 \times 4}$

6) $2 \times 3 + 7 \times 0 + 8$

E)

1) 0.15×100

2) -2^2

3) Find the mean of 8 7 6 3

4) 1.5×10

Write down the message you get from clue 3.

Clue 4

R E E
H T M
R O O
E D I
U T S
O D E
P E N
P A H
D E R
R U M
T H E

The message is not in code. You just have to work out how to read it!

Clue 5:

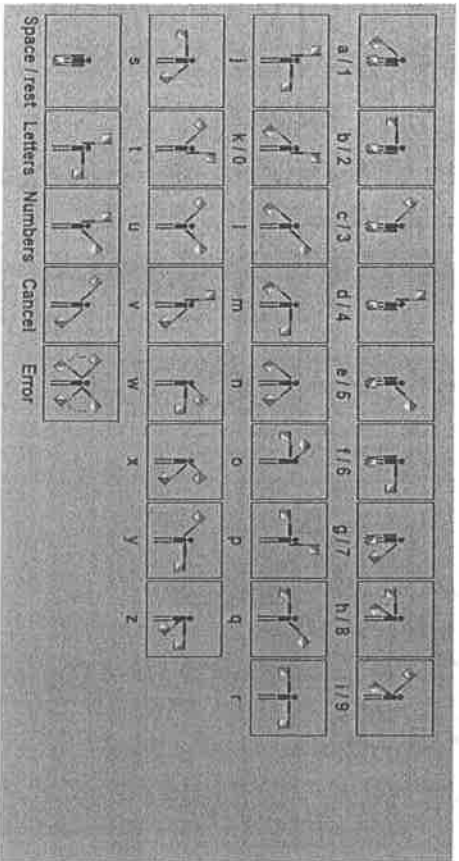
A ···	J ·····	S ···	1 ·····
B ·····	K ·····	T -	2 ·····
C ·····	L ·····	U ···	3 ·····
D ···	M ···	V ·····	4 ·····
E ·	N ···	W ···	5 ·····
F ·····	O ·····	X ·····	6 ·····
G ·····	P ·····	Y ·····	7 ·····
H ·····	Q ·····	Z ·····	8 ·····
I ···	R ···	0 ·····	9 ·····

Use the above Morse code and convert the following message

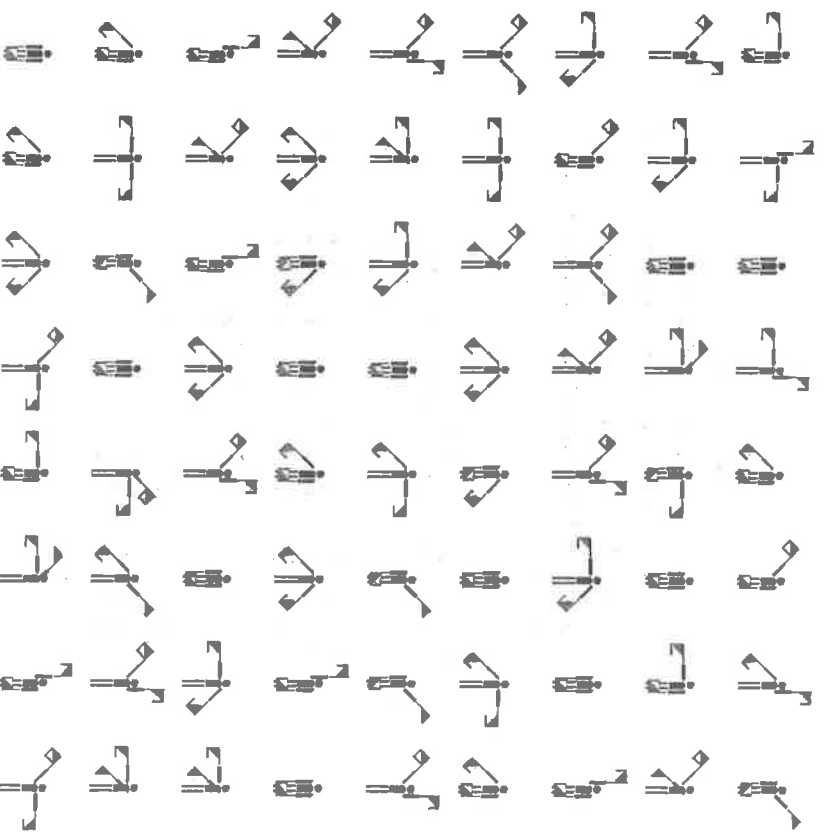
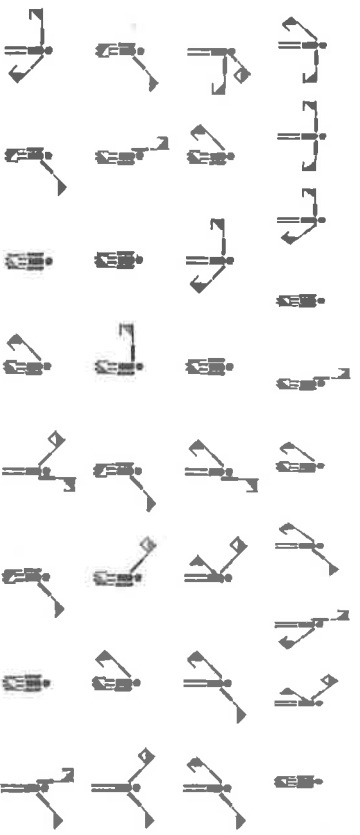
- 1) - ····· · / - - ··· ··· ··· ··· ··· / - - ··· ··· /
· - - - - / · / ··· ··· ··· ··· ··· ··· /
· · · · · ··· ··· ··· ···
- 2) - ····· / - · · · · ··· ··· ··· ··· / ··· ··· ··· / - - ··· / - - ··· /
··· ··· ··· ··· ··· / ··· ··· ··· / - - ··· ··· /
··· ··· ··· ··· ···
- 3) - ····· · / - - ··· ··· ··· ··· ··· ··· / - - ··· ··· /
··· ··· ··· ··· ··· / ··· ··· ··· / ··· ··· /
··· ··· ··· ··· ···

Clue 6

Following are Semaphore flags. It is the system for conveying information at a distance by means of visual signals with hand-held flags, rods, disks, paddles or occasionally bare hands. Information is encoded by the position of the flags; it is read when the flag is in a fixed position. Semaphores were adopted and widely used in the maritime world in the 19th century.



What is the message?



Write down your message here.....

Now answer the following questions.....

- 1) Who is the murderer?
- 2) What was the weapon?
- 3) Who got killed? Where?
- 4) What was the reason?

