

## ODD ONE OUT : THE ALPHABET

Working with a partner, decide which letter in each of the questions below is the odd one out and why.

1. A E D I O U

2. A K J G

3. A E M Q C S Z

Clue: order

4. B C G D T E I

5. U Y B F I R

Clue : letter=word

6. N P B Z O K X C

7. F M N X W L

8. I A Y

	A	M	S
	D	O	U
K	H		Y

B	F	J	N
E			P
	W	Z	R

A	I	M	
B		O	S
H		U	Y

A	F	N	P
D	K		R
		U	X

C	E	Q	U
	H	W	
L	M	Z	

A	D		
F	I	K	N
J		O	P

B	E		S
	G	Q	Y
H	L		T

	K	P	H
A	O		X
B	U		R

C		Q	W
E	J	R	X
I	L		

A	G		Y
D	H		Z
	J	O	P

	B	N	S
	D	P	U
E	I		T

A	F	H	M
E			N
	U	X	Y

B	E	I	
C		R	T
D		V	Z

A	F	N	P
G	J		S
		T	U

C	E	Q	U
	H	R	
K	O	Y	

B	F		
J	M	O	U
K		X	W

A	E		T
	I	Q	V
L	P		Z

	A	Q	S
E	L		U
I	P		Y

D		S	T
F	L	V	Z
G	O		

A	H		M
G	K		X
	L	W	Y

	C	N	V
	G	Q	Z
I	M		W

A	D	F	G
C			L
	X	R	W

C	M	O	
E		S	T
J		V	R

D	F	L	Q
I	K		Y
		U	V

B	G	T	R
	I	S	
M	P	W	

C	G		
J	K	T	O
R		X	S

D	G		V
	H	N	Z
K	L		S

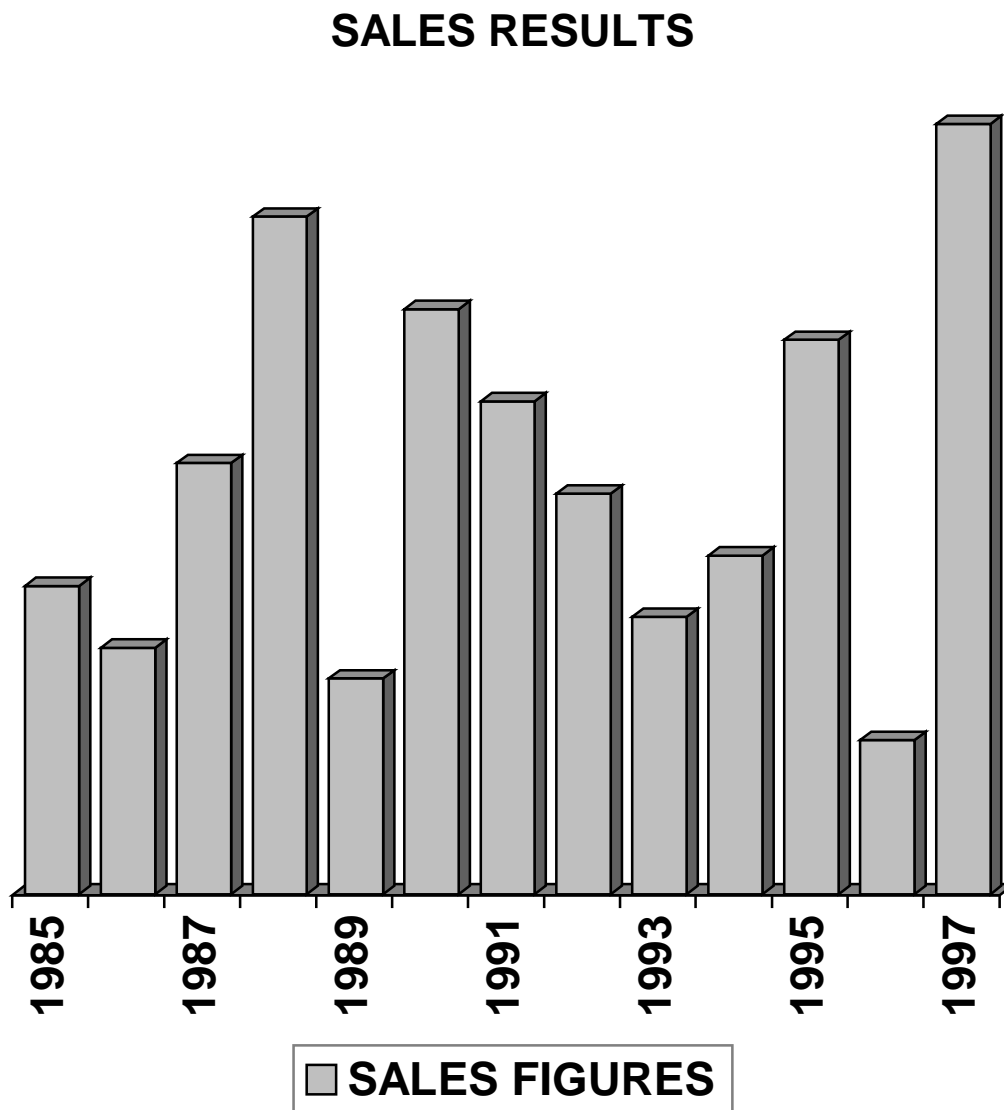
	I	R	T
B	M		U
C	O		W

C		L	V
F	N	X	S
J	O		

B	I		U
E	L		Y
	N	O	T

## ESTIMATING SALES FIGURES

Look at the graph below. The sales figure for the year 1985 was 10 million dollars. Can you estimate, by comparing the other results with the first, the sales results for the remaining years.



<i>YEAR</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>	<i>1990</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>
<i>RESULTS</i>	<i>10m</i>												

1998 France won the World Cup	1966 England won the World Cup	1945 The end of the Second World War
1815 Battle of Waterloo	1982 The Falklands War	1991 The Gulf War
1969 Man walked on the moon	1981 Launch of first American space shuttle	1974 ABBA won the Eurovision song contest
1981 Francois Mitterand was elected President of France	1431 Joan of Arc burnt at the stake	1492 Christopher Columbus discovered America
1963 Assassination of John Kennedy	1929 Wall Street crash	1957 Treaty of Rome (EEC)
1989 Fall of the Berlin Wall	1991 Abolition of Apartheid in South Africa	1903 Wright brothers invented motor aeroplane
1920 John Baird invented television	1876 Bell invented the Telephone	1936 Olympic Games held in Berlin
1835 Samuel Colt invented the revolver	1912 The Titanic set sail for America, hit an iceberg and sunk	1921 Einstein won the Nobel Prize for physics

## SECRET CODE

Below is a list of common things that can be found in an office. However, somebody has exchanged all the letters for numbers. Can you break the code and discover the objects?

1. 4-25-1-13-22-9-25-18
2. 9-10-25-18-3
3. 24-10-1-13
4. 4-17-25-10-18
5. 9-13-5-12
6. 8-1-25-22-21
7. 4-25-1-4-20-1-25-21-7-18
8. 4-7-23-8-20-21-13-18
9. 21-13-1-13-8-17-7-22-13

Use the grid to help you make a note of the code.

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

## ROMAN NUMERALS

The Romans had a unique system for counting.

I=1, V=5, X=10, L=50, C=100, D=500, M=1000

A lower value before a higher value meant that the number represented is, in fact, the higher value minus the lower value.

E.g. IX=10-1=9, XC=100-10=90

Express the following roman numerals as a decimal numerals, and the decimal numerals as roman numerals.

- |              |          |
|--------------|----------|
| 1. XXII      | 13. 21   |
| 2. CXIX      | 14. 256  |
| 3. LIV       | 15. 1458 |
| 4. DCCXL     | 16. 5    |
| 5. XLXIII    | 17. 12   |
| 6. CCCXXXIII | 18. 64   |
| 7. MMI       | 19. 396  |
| 8. MLMVII    | 20. 2401 |
| 9. VI        | 21. 54   |
| 10. CDXL     | 22. 145  |
| 11. MCCCXIX  | 23. 99   |
| 12. DCLXVIII | 24. 777  |



## CALCULATOR GAME





For this game a calculator is needed. The person who has the calculator thinks of a number between 1 and 1000, X say. The others have to work out what this number is. When a number is suggested, M say, the person who has the calculator tells them what  $X/M$  is. The others keep on suggesting numbers, using  $X/M$  as a guide, until they find what X is, i.e. when  $X/M=1$ . The aim is to find out the mystery number in less than 10 attempts. Use the table to keep a record of the numbers.


M	$X/M$

# GUESS THE PRICE

Try to guess the price of the following products. The person or group who is the nearest, but not above, will win a point. The person or group with the most points at the end wins.

SHOP \_\_\_\_\_ DATE \_\_\_\_\_

			
PRODUCT	PRODUCT	PRODUCT	PRODUCT
PRICE	PRICE	PRICE	PRICE

			
PRODUCT	PRODUCT	PRODUCT	PRODUCT
PRICE	PRICE	PRICE	PRICE