### 26. Pentomino Square



# 27. Spot-to-Spot

Two possible solutions:









2	2	0
2		0
2		0
3	3	0

4 4

4

4

2 2

0

0

3

3

28. Pentomino F



## 29. Match the Spots

	2	6	6	1	
5	2	6	6	1	5
5	5	4	4	6	6
3	3	5	5	0	0
	6	6	5	5	

## 30. Post Office

£0.39
£0.76
£1.77

# 31. Leap Frog

Start with the only possible move by the red frog, then 2 moves by green frogs, then 3 moves by red frogs, then 3 moves by green frogs,

then 3 moves by red frogs,

then 2 moves by green frogs,

then 1 move by red frog.

It takes 15 moves in total.

### 32. Domino Sum

3	3	0	4
3			1
4	0	1	5

## 33. 'Cluedo'

One possible solution:

Mr. Brown	Mrs. White	Mr. Green
Mrs. Green	Mrs. Brown	Mr. White

# 34. Equal Lines

Three possible solutions:



The correct solution must have 7, 10 or 13 at its centre.

## 35. Number the Triangle



# 37. Turnup

Move the three circled counters to the places marked 'X'.



### 38. Ordering the Milk

When five bottles have been placed, the position of the sixth is unique. It must go in the column and row containing an odd number of bottles.

One possible solution:



The task cannot be completed with the word 'even' replaced by 'odd' for 6 cannot be the sum of three odd numbers. Note: the number 0 is even, not odd.

#### 39. 8s and '+' signs.

888 + 88 + 8 + 8 + 8 = 1000

#### 40. Polyhedron

Any solid shape with 8 vertices. A parallelepiped is one option. Six faces, each a parallelogram.

#### 41. Fractions

The fractions are equal. 3/5 of 4 = 4/5 of 3 = 12/5

## 42. Triangular Solitaire

The aim is to be left with just one counter on the board (two or three is OK).

## 43. Magic Square

Four goes in the centre. Magic sum = 12

7	2	3
0	4	8
5	6	1

### 44. Coloured Cube

Make sure all six faces of the cube show the same colour (including the base).

### 45. Tangram Man



### 46. Consecutive Numbers

Each row = 18



## 47. Atishoo!

1000 years.

#### 48. Brick Wall

A quick check is to see if the final answer is the first number on the first brick in the wall.

#### 49. Tangram Woman

Check that all 7 pieces have been used.



**50. Convex Polygon** You can get either a parallelogram or a trapezium.