

Tuesday

## 57 Presents

Gurmit paid £2, £4, £6, £1 and £8 for the five presents.

Wednesday

## 58 Spot the shapes 2

1. There are 11 triangles.
2. There are 17 squares.

Thursday

## 65 Age old problems

1. I am 48 years old (or possibly 104).
2. I am now 26 years old. In 38 years' time, when I am 64, my age will be both a square number and a cube.
3. I am 9 years old now.

Friday

## 62 Maze

There are two routes that total 100 exactly:

$$+ 6 \quad \times 7 \quad - 6 \quad \times 3 \quad - 8 \quad = 100$$

$$+ 9 \quad \times 7 \quad \div 3 \quad \times 5 \quad - 5 \quad = 100$$

The route giving the highest total is:

$$+ 9 \quad \times 7 \quad - 6 \quad \times 7 \quad - 8 \quad = 391$$

The route giving the lowest total is:

$$+ 6 \quad \times 7 \quad \div 3 \quad \times 3 \quad - 8 \quad = 34$$