Name: **Answers**   5-a-day   Foundation

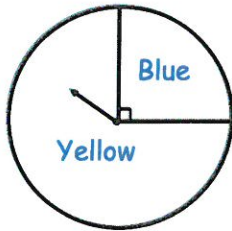## 17th January

The diagram shows a fair spinner.

Blue

Yellow

Mark the scale with an arrow to show the probability of landing on yellow.

0   1

Alison has £1.40
Scott has £2.90

How much should Scott give Alison so that they will have the same amount of money?

$£1.40 + £2.90 = £4.30$
$£4.30 ÷ 2 = £2.15$
$£2.90 - £2.15 = £0.75$
$£1.40 + £0.75 = £2.15$
Scott must give £0.75

Here are the first five terms in a number sequence.

7 10 13 16 19
  +3 +3 +3 +3

+3 means 3n
$3 × 1 = 3$ $3 + 4 = 7$
$3n + 4$

Write an expression, in terms of n, for the nth term of this number sequence.

$3n + 4$

Fiona is playing a game.

She throws 8 balls at a target, one at a time.

Each hit is worth 5 points.
Each miss is worth –3 points.

Fiona hits the target with 5 of the balls and misses with the rest.

How many points does Fiona score?

$5 × 5 = 25$
$3 × -3 = \underline{-9}$
16

Chris also throws 8 balls at the target. His final score is 0.

How many times does he hit the target?

$3 × 5 = 15$
$5 × -3 = \underline{-15}$
0

So he hits the target 3 times