

Level 1

●	1
● ● ●	3
● ● ● ●	6
	?
	?

Draw the next two collections.

Level 2

Describe a mathematical way of calculating the number of blue tiles needed to complete the pattern.

Level 3

The first of February 2012 can be written as

1.2.12

The 10th of November this year will be

10.11.12

What other dates are mathematically interesting in 2012?

Level 4

	Eats meat	Doesn't eat meat	
Drinks soft drink	A	B C	D
Doesn't drink soft drink	E	F G	H

Brighter green shaded area represents: Exercises daily

Describe the people in each category (A–H) in relation to whether they exercise daily, eat meat and/or drink soft drink.