

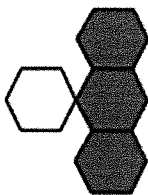
Daily 5: Day 101 Name: _____

1

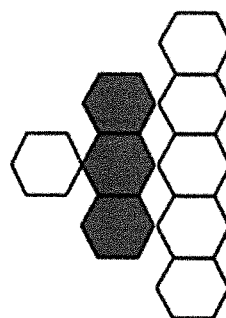
Look at the patterns below.



Pattern 1



Pattern 2



Pattern 3

They are made up of hexagonal (6 sided) black and white tiles. The first 3 patterns of the sequence are shown.

How many black tiles in total are needed to make the sixth pattern?

A 12 tiles B 15 tiles C 18 tiles D 21 tiles E 24 tiles

	1	2	3	4	5	6
B	0	3	3	7	10	14
W	1	1	5	6	10	15

2

Look again at the pattern in Q1.

What is the difference between the total of white tiles in pattern 5 and the total of white tiles in pattern 2?

$$15 - 1 = 14$$

A 8 tiles B 11 tiles C 14 tiles D 17 tiles E 20 tiles

3

A full bottle of milk contains 123 ml.

How many litres of milk are in 15 full bottles?

A 0.845 litres B 1.645 litres C 1.845 litres D 2.045 litres E 18.45 litres

$$\begin{array}{r} 123 \\ \times 15 \\ \hline 615 \\ 1230 \\ \hline 1845 \end{array}$$

$$1.845 \div 1000 =$$

4

Chloe has two part time jobs on a Sunday.

She delivers newspapers from 07:43 to 1:26 pm.

She then goes to work at a local café from 1:40 pm till 15:37.

How long does she work on a Sunday in total, not including her travel time?

A 6 hrs 50 mins B 7 hrs 20 mins C 7 hrs 40 mins D 8 hrs 00 mins E 8 hrs 20 mins

$$\begin{array}{r} 12 \\ 18:26 \\ - 07:43 \\ \hline 5:43 \end{array}$$

$$\begin{array}{r} 49 \\ 18:37 \\ 13:40 \\ \hline 01:57 \end{array}$$

$$\begin{array}{r} 5:43 \\ + 1:57 \\ \hline 6:100 = 7 \text{ hrs } 40 \text{ mins} \end{array}$$

For question 5, you have to **write your answer** in the space provided in the question.

5

A holiday to London costs £470.

However, due to demand its price is increased by 25%.

What is the new price of the holiday?

$$\frac{1}{4} \text{ of } 470.00 = 117.50$$

£ 587.50

$$\begin{array}{r} 470.00 \\ + 117.50 \\ \hline 587.50 \end{array}$$

In this exercise there are some mistakes with **punctuation** or use of **capital letters**. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **circle its letter below**. If there is no mistake, mark **N**.

Punctuation Exercise

1

The doctor's surgery was closed on Saturday, so Ryan had to wait until the following Monday for his appointment.

A B C D

2

Mrs Taylor said to her class "Bring in their permission slips by Friday, as the school trip to the museum was the next week."

A B C D

3

The old oak tree (which had stood in the village square for three hundred years) was struck by lightning during last night's storm.

A B C D

4

For her birthday Emma received a new bicycle a helmet, some books and a voucher for her favourite clothes shop.

A B C D

5

Every summer the family drove through France, stopping at small villages to sample the local food and explore the markets.

A B C D N