

Q3 (Pattern) Day 63 **Name:** _____

1. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fourth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 2, pattern 3 and pattern 4**? Write your answer in the space below.

_____ tiles

2. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fourth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 3 and pattern 4**? Write your answer in the space below.

_____ tiles

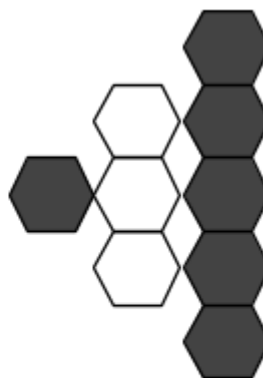
3. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **black tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 2, pattern 3 and pattern 4**? Write your answer in the space below.

_____ tiles

4. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 3, pattern 4 and pattern 5**? Write your answer in the space below.

_____ tiles

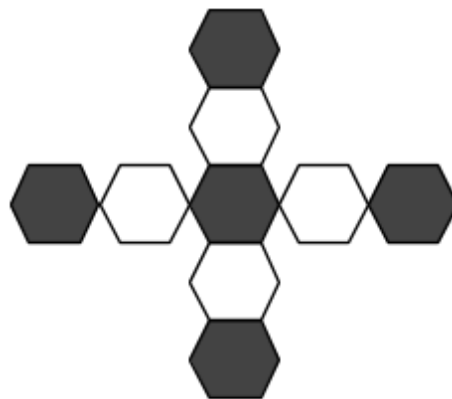
5. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **black tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 3, pattern 4 and pattern 5**? Write your answer in the space below.

_____ tiles

6. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 4, pattern 5 and pattern 6**? Write your answer in the space below.

_____ tiles

7. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3



Pattern 4

a) How many **black tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 4, pattern 5 and pattern 6**? Write your answer in the space below.

_____ tiles

8. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 5, pattern 6 and pattern 7**? Write your answer in the space below.

_____ tiles

9. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **black tiles** are needed to make the **sixth pattern**? Write your answer in the space below.

_____ tiles

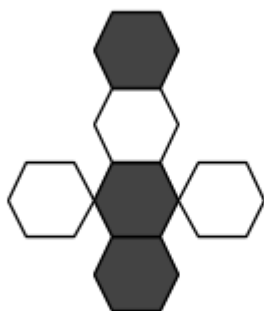
b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 5, pattern 6 and pattern 7**? Write your answer in the space below.

_____ tiles

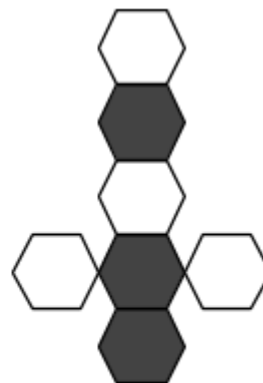
10. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **black tiles** are needed to make the **sixth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 6, pattern 7 and pattern 8**? Write your answer in the space below.

_____ tiles

11. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3



Pattern 4



Pattern 5

a) How many **white tiles** are needed to make the **sixth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 4, pattern 5 and pattern 6**? Write your answer in the space below.

_____ tiles

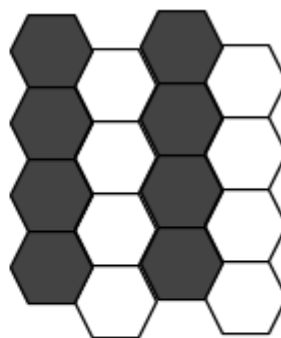
12. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) How many **white tiles** are needed to make the **fifth pattern**? Write your answer in the space below.

_____ tiles

b) Look again at the pattern in **above**. What is the **total** of all the tiles in **pattern 3 and pattern 4**? Write your answer in the space below.

_____ tiles

Answers

- | | |
|-----------------|--------------|
| 1. a) 6 | b) 19 |
| 2. a) 8 | b) 25 |
| 3. a) 15 | b) 29 |
| 4. a) 4 | b) 21 |
| 5. a) 9 | b) 39 |
| 6. a) 4 | b) 27 |
| 7. a) 7 | b) 45 |
| 8. a) 6 | b) 39 |
| 9. a) 7 | b) 48 |
| 10.a) 5 | b) 33 |
| 11.a) 5 | b) 16 |
| 12.a) 18 | b) 41 |