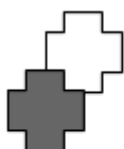


Q5 (Pattern) Day 39Name: _____

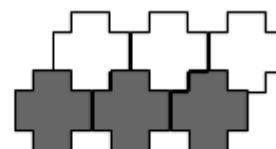
1. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

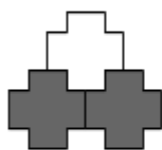
a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 6**. Write your answer in the space below.

_____ tiles

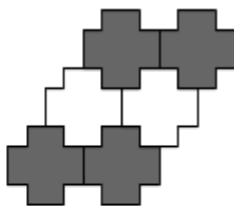
b) **One of the patterns** in the sequence **has 8 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

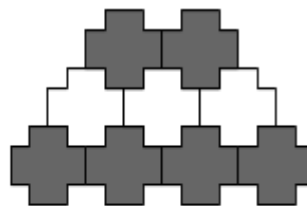
2. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 5**. Write your answer in the space below.

_____ tiles

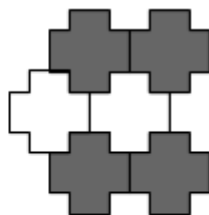
b) **One of the patterns** in the sequence **has 12 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

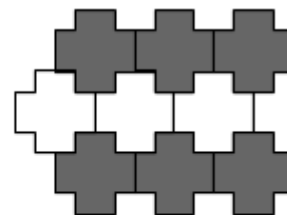
3. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 6**. Write your answer in the space below.

_____ tiles

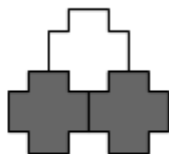
b) **One of the patterns** in the sequence **has 16 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

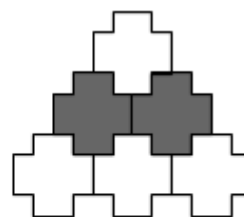
4. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

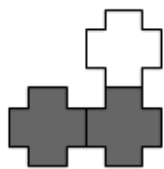
a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 5**. Write your answer in the space below.

_____ tiles

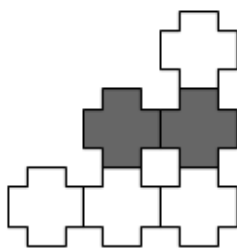
b) **One of the patterns** in the sequence **has 6 shaded tiles**. Calculate the **total number** of tiles in this pattern. There are two possible answers. Write your answers in the spaces below.

_____ tiles or _____ tiles

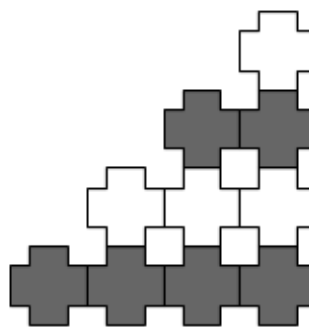
5. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 6**. Write your answer in the space below.

_____ tiles

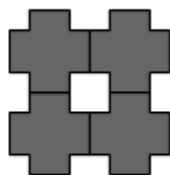
b) **One of the patterns** in the sequence **has 12 shaded tiles**. Calculate the **total number** of tiles in this pattern. There are two possible answers. Write your answers in the spaces below.

_____ tiles **or** _____ tiles

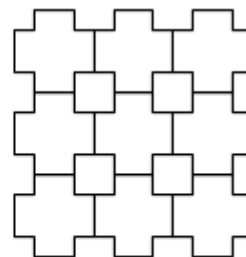
6. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 7**. Write your answer in the space below.

_____ tiles

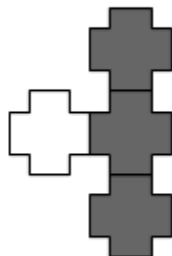
b) **One of the patterns** in the sequence **has 16 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

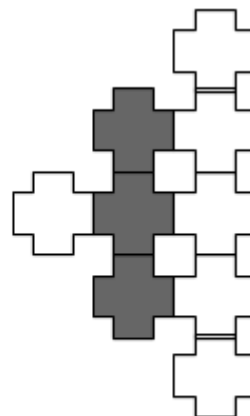
7. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 6**. Write your answer in the space below.

_____ tiles

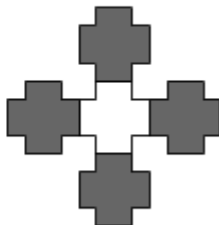
b) **One of the patterns** in the sequence **has 10 shaded tiles**. Calculate the **total number** of tiles in this pattern. There are two possible answers. Write your answers in the spaces below.

_____ tiles or _____ tiles

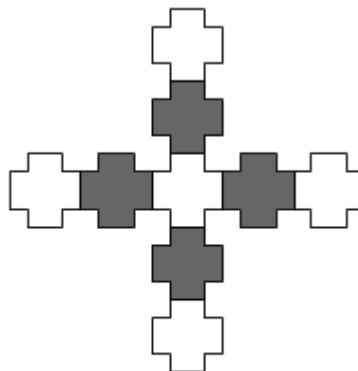
8. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 7**. Write your answer in the space below.

_____ tiles

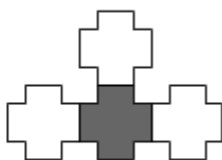
b) **One of the patterns** in the sequence **has 8 shaded tiles**. Calculate the **total number** of tiles in this pattern. There are two possible answers. Write your answers in the spaces below.

_____ tiles **or** _____ tiles

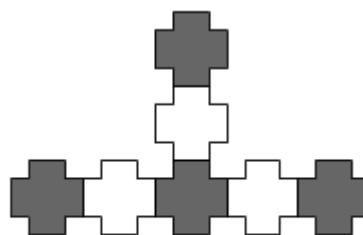
9. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 10**. Write your answer in the space below.

_____ tiles

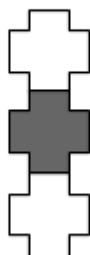
b) **One of the patterns** in the sequence **has 10 shaded tiles**. Calculate the **total number** of tiles in this pattern. There are two possible answers. Write your answers in the spaces below.

_____ tiles or _____ tiles

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



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 11**. Write your answer in the space below.

_____ tiles

b) **One of the patterns** in the sequence **has 9 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

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



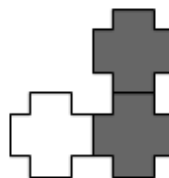
Pattern 1



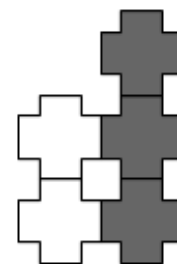
Pattern 2



Pattern 3



Pattern 4



Pattern 5

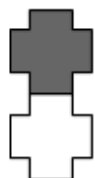
a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 6**. Write your answer in the space below.

_____ tiles

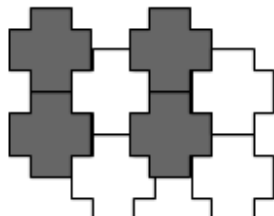
b) **One of the patterns** in the sequence **has 8 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

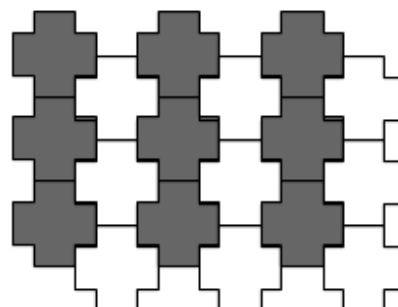
12. Look at the pattern below. It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

a) If the sequence of patterns is continued, calculate **the total number of tiles in pattern 4**. Write your answer in the space below.

_____ tiles

b) **One of the patterns** in the sequence **has 25 shaded tiles**. Calculate the **total number** of tiles in this pattern. Write your answer in the space below.

_____ tiles

Answers

- | | |
|-----------------|--------------------|
| 1. a) 12 | b) 16 |
| 2. a) 15 | b) 18 |
| 3. a) 18 | b) 24 |
| 4. a) 15 | b) 10 or 15 |
| 5. a) 28 | b) 21 or 28 |
| 6. a) 49 | b) 16 |
| 7. a) 36 | b) 16 or 25 |
| 8. a) 25 | b) 13 or 17 |
| 9. a) 28 | b) 19 or 22 |
| 10.a) 21 | b) 17 or 19 |
| 11.a) 8 | b) 13 |
| 12.a) 32 | b) 50 |