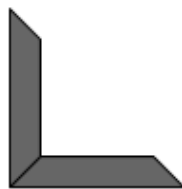


**Q4 (Pattern) Day 60 Name:** \_\_\_\_\_

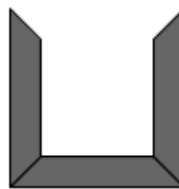
1. Look at the pattern below. It is made up of isosceles trapezium tiles.



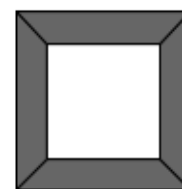
Pattern 1



Pattern 2



Pattern 3



Pattern 4

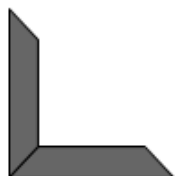
a) What is the **difference** in the number of tiles between **pattern 2** and **pattern 5**? Write your answer in the space below.

\_\_\_\_\_ Tiles

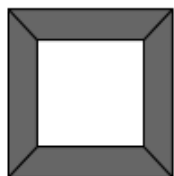
b) Look again at the pattern above. You will notice in **pattern 4** there is **one white square in the middle** of the trapezium tiles. How many **white squares** will be created in **pattern 8**? Write your answer in the space below.

\_\_\_\_\_ white squares

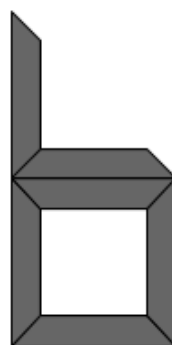
2. Look at the pattern below. It is made up of isosceles trapezium tiles.



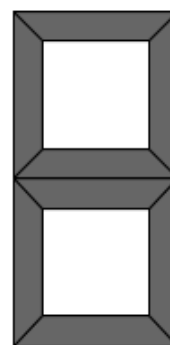
Pattern 1



Pattern 2



Pattern 3



Pattern 4

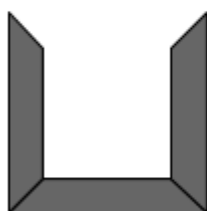
a) What is the **difference** in the number of tiles between **pattern 1** and **pattern 5**? Write your answer in the space below.

\_\_\_\_\_ Tiles

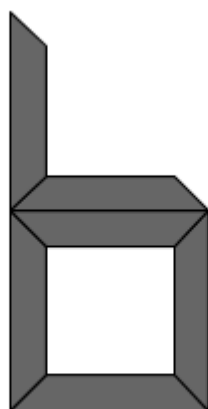
b) Look again at the pattern above. You will notice in **pattern 2 and 3** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ white squares

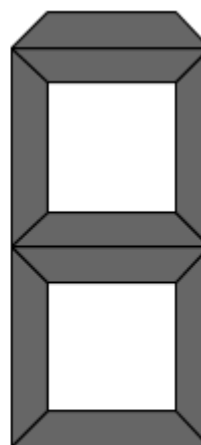
3. Look at the pattern below. It is made up of isosceles trapezium tiles.



Pattern 1



Pattern 2



Pattern 3

a) What is the **difference** in the number of tiles between **pattern 2** and **pattern 6**? Write your answer in the space below.

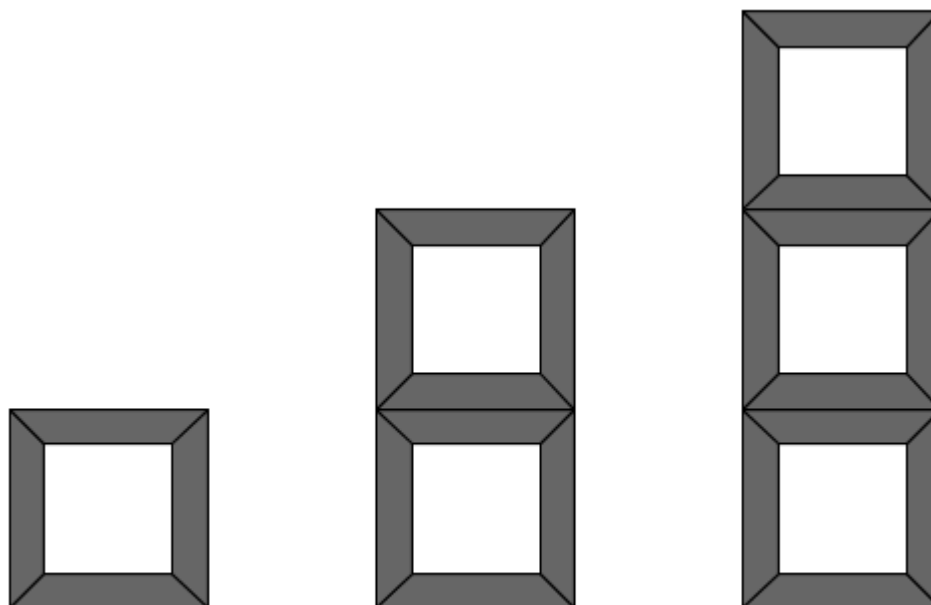
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 2** there is **one white square in the middle** of the trapezium tiles and in **pattern 3** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ white squares

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4. Look at the pattern below. It is made up of isosceles trapezium tiles.



Pattern 1

Pattern 2

Pattern 3

a) What is the **difference** in the number of tiles between **pattern 3** and **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 1** there is **one white square in the middle** of the trapezium tiles and in **pattern 2** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 7**? Write your answer in the space below.

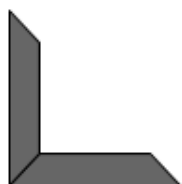
\_\_\_\_\_ white squares

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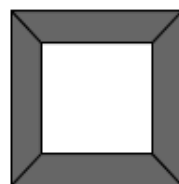
5. Look at the pattern below. It is made up of isosceles trapezium tiles.



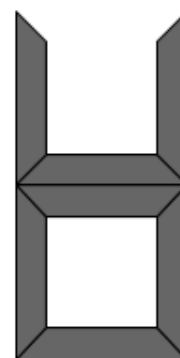
Pattern 1



Pattern 2



Pattern 3



Pattern 4

a) What is the **difference** in the number of tiles between **pattern 4** and **pattern 7**? Write your answer in the space below.

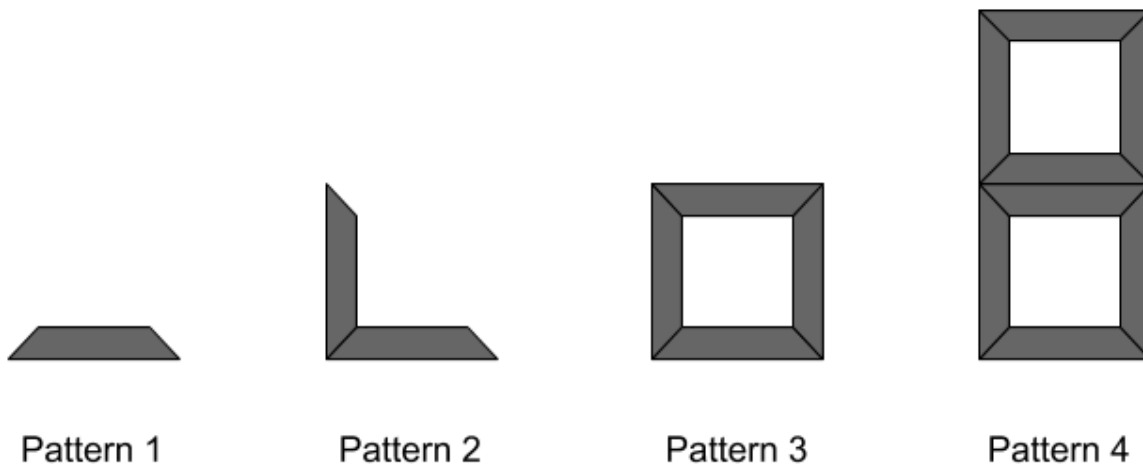
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 3 and 4** there is **one white square in the middle** of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ white squares

---

6. Look at the pattern below. It is made up of isosceles trapezium tiles.



a) What is the **difference** in the number of tiles between **pattern 4** and **pattern 6**? Write your answer in the space below.

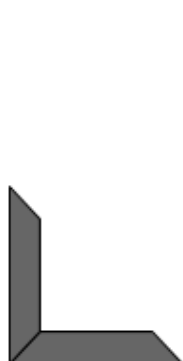
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 3** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

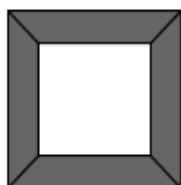
\_\_\_\_\_ white squares

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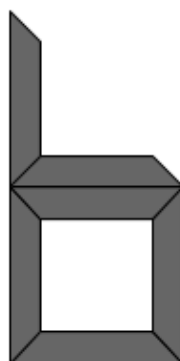
7. Look at the pattern below. It is made up of isosceles trapezium tiles.



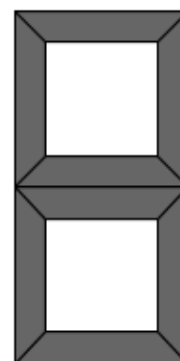
Pattern 1



Pattern 2



Pattern 3



Pattern 4

a) What is the **difference** in the number of tiles between **pattern 5** and **pattern 8**? Write your answer in the space below.

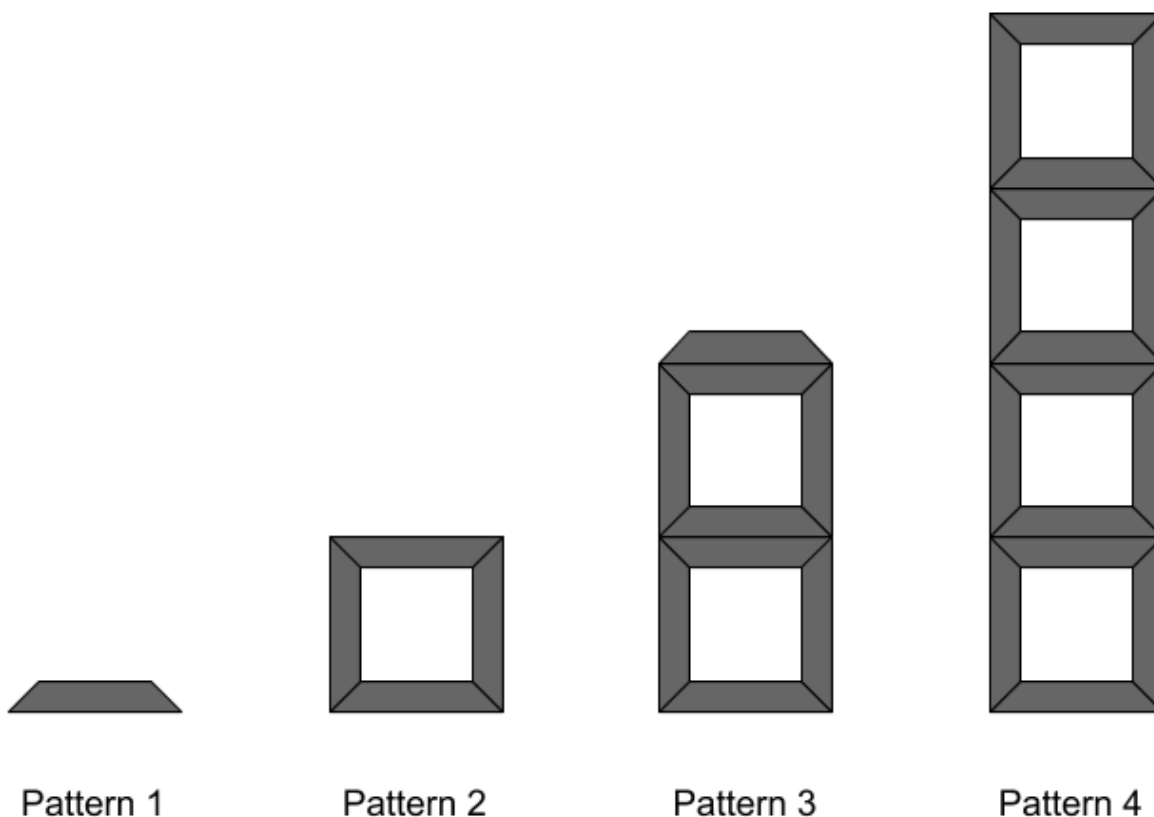
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 2 and 3** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 10**? Write your answer in the space below.

\_\_\_\_\_ white squares

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8. Look at the pattern below. It is made up of isosceles trapezium tiles.



a) What is the **difference** in the number of tiles between **pattern 1** and **pattern 5**? Write your answer in the space below.

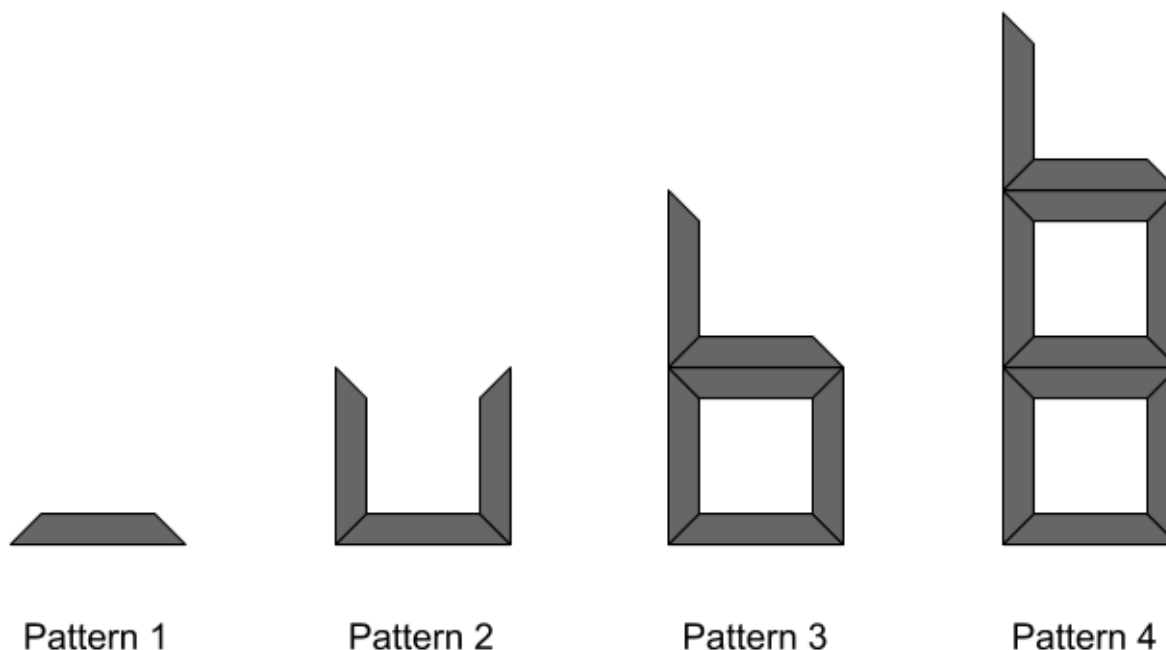
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 2** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **four white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ white squares

---

9. Look at the pattern below. It is made up of isosceles trapezium tiles.



a) What is the **difference** in the number of tiles between **pattern 3** and **pattern 6**? Write your answer in the space below.

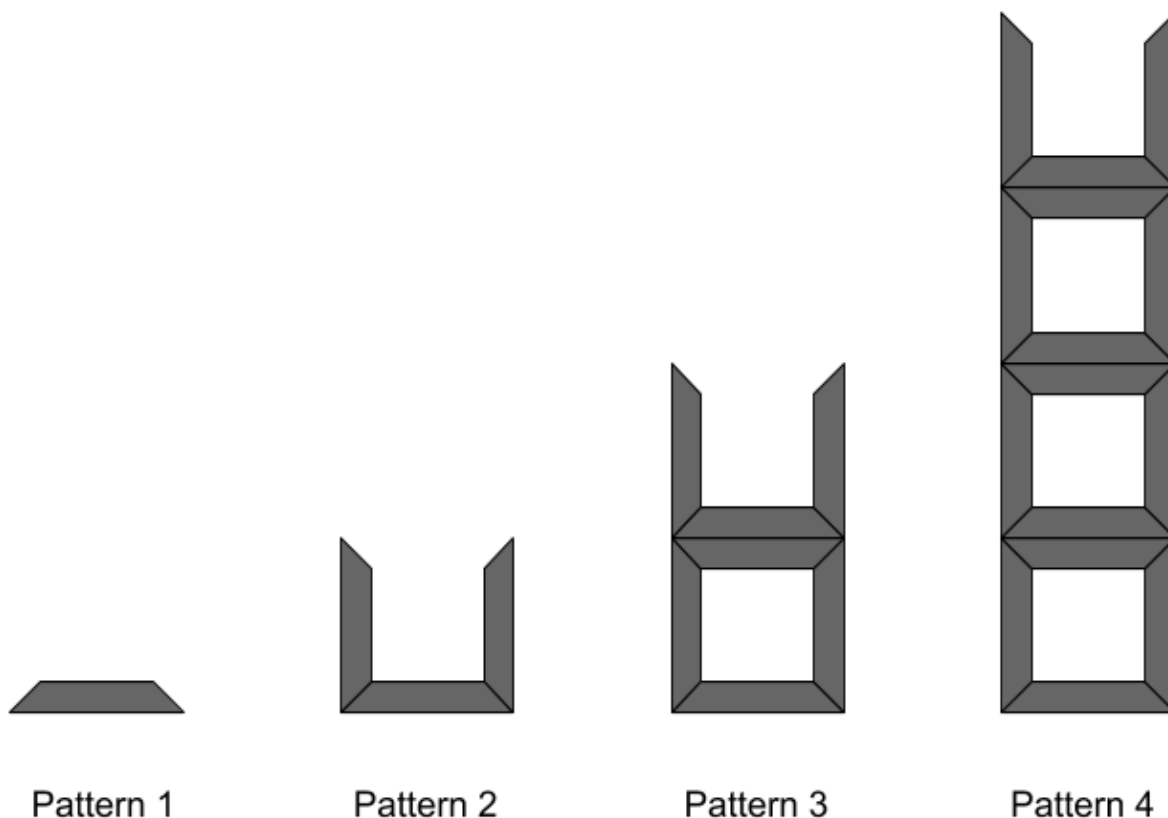
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 3** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **two white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 7**? Write your answer in the space below.

\_\_\_\_\_ white squares

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10. Look at the pattern below. It is made up of isosceles trapezium tiles.



a) What is the **difference** in the number of tiles between **pattern 3** and **pattern 5**? Write your answer in the space below.

\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 3** there is **one white square in the middle** of the trapezium tiles and in **pattern 4** there are **three white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 6**? Write your answer in the space below.

\_\_\_\_\_ white squares

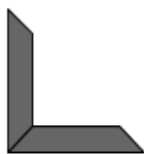
11. Look at the pattern below. It is made up of isosceles trapezium tiles.



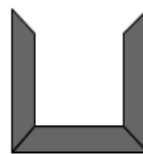
Pattern 1



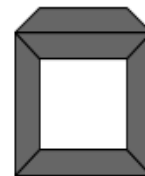
Pattern 2



Pattern 3



Pattern 4



Pattern 5

a) What is the **difference** in the number of tiles between **pattern 3** and **pattern 6**? Write your answer in the space below.

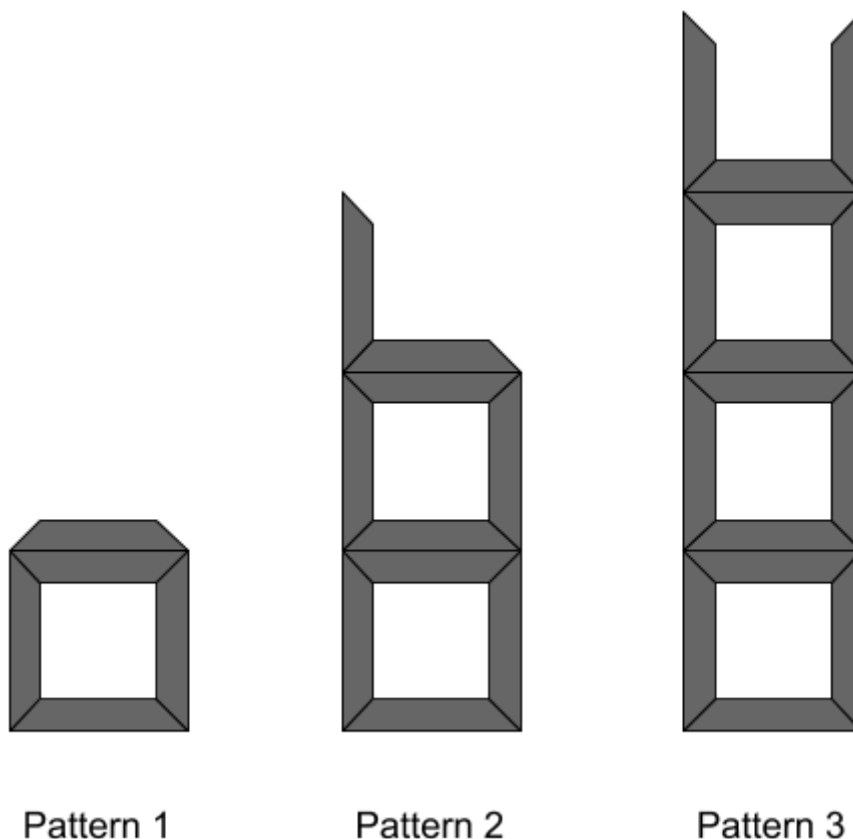
\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 5** there is **one white square in the middle** of the trapezium tiles. How many **white squares** will be created in **pattern 7**? Write your answer in the space below.

\_\_\_\_\_ white squares

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12. Look at the pattern below. It is made up of isosceles trapezium tiles.



a) What is the **difference** in the number of tiles between **pattern 3** and **pattern 8**? Write your answer in the space below.

\_\_\_\_\_ Tiles

b) Look again at the pattern above. You will notice in **pattern 1** there is **one white square in the middle** of the trapezium tiles and in **pattern 3** there are **three white squares** in the middle of the trapezium tiles. How many **white squares** will be created in **pattern 10**? Write your answer in the space below.

\_\_\_\_\_ white squares

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**Answers**

1. a) 3    b) 2
2. a) 8    b) 3
3. a) 12   b) 4
4. a) 12   b) 7
5. a) 15   b) 4
6. a) 24   b) 8
7. a) 6    b) 5
8. a)24   b) 9
9. a) 15   b) 7
- 10.a) 24   b) 15
- 11.a) 6    b) 3
- 12.a)25   b) 12