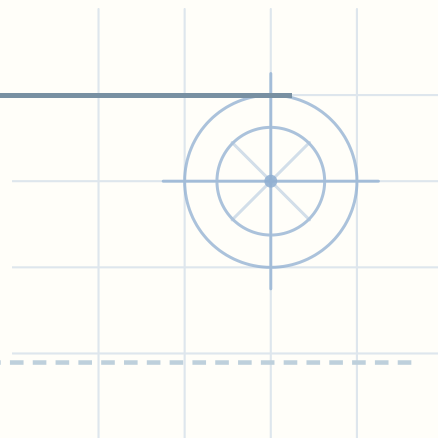


## Arithmetic and geometric sequences — The common difference

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Find the common difference of each sequence.



1  $-9, -5, -1, 3, 7, \dots$  the common difference = \_\_\_\_\_

---

2  $14, 19, 24, 29, 34, \dots$  the common difference = \_\_\_\_\_

---

3  $11, 19, 27, 35, 43, \dots$  the common difference = \_\_\_\_\_

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4  $-8, -16, -24, -32, -40, \dots$  the common difference = \_\_\_\_\_

---

5  $1, -7, -15, -23, -31, \dots$  the common difference = \_\_\_\_\_

---

6  $-6, -8, -10, -12, -14, \dots$  the common difference = \_\_\_\_\_

---

7  $15, 21, 27, 33, 39, \dots$  the common difference = \_\_\_\_\_

---

8  $1, 4, 7, 10, 13, \dots$  the common difference = \_\_\_\_\_

---



# Arithmetic and geometric sequences · The common difference

## — Answer key

1.  $-9, -5, -1, 3, 7, \dots$  the  
common difference = 4

2.  $14, 19, 24, 29, 34, \dots$  the  
common difference = 5

3.  $11, 19, 27, 35, 43, \dots$  the  
common difference = 8

4.  $-8, -16, -24, -32, -40, \dots$   
the common difference =  $-8$

5.  $1, -7, -15, -23, -31, \dots$   
the common difference =  $-8$

6.  $-6, -8, -10, -12, -14, \dots$   
the common difference =  $-2$

7.  $15, 21, 27, 33, 39, \dots$  the  
common difference = 6

8.  $1, 4, 7, 10, 13, \dots$  the  
common difference = 3

