# Sequences from the nth Term *fluency* ANSWERS

## Write the first five terms

**1** $n + 4$
*5, 6, 7, 8, 9*

**2** $2n$
*2, 4, 6, 8, 10*

**3** $3n + 1$
*4, 7, 10, 13, 16*

**4** $5n + 2$
*7, 12, 17, 22, 27*

**5** $4n + 3$
*7, 11, 15, 19, 23*

**6** $10n + 1$
*11, 21, 31, 41, 51*

## Write the first five terms

**7** $2n - 1$
*1, 3, 5, 7, 9*

**8** $4n - 3$
*1, 5, 9, 13, 17*

**9** $3n - 5$
*−2, 1, 4, 7, 10*

**10** $6n - 10$
*−4, 2, 8, 14, 20*

**11** $5n - 7$
*−2, 3, 8, 13, 18*

**12** $7n - 12$
*−5, 2, 9, 16, 23*

## Write the first five terms

**13** $20 - 2n$
*18, 16, 14, 12, 10*

**14** $15 - n$
*14, 13, 12, 11, 10*

**15** $30 - 4n$
*26, 22, 18, 14, 10*

**16** $8 - 3n$
*5, 2, −1, −4, −7*

**17** $-n$
*−1, −2, −3, −4, −5*

**18** $0.5n + 1$
*1.5, 2, 2.5, 3, 3.5*

## Find the 10th term

**19** $3n + 2$
*32*

**20** $5n - 4$
*46*

**21** $40 - 3n$
*10*

**22** $n^2$
*100*

**23** $n^2 + 3$
*103*

**24** $2n^2 - 1$
*199*

## Is the number a term of the sequence? Write yes and the value of n, or no.

**25** 47 in $3n + 2$
*yes, $n = 15$*

**26** 60 in $4n + 3$
*no*

**27** 100 in $7n + 2$
*yes, $n = 14$*

**28** 85 in $5n - 5$
*yes, $n = 18$*

**29** 50 in $6n - 1$
*no*

**30** −11 in $9 - 4n$
*yes, $n = 5$*