

## Number Sequences

Complete these number sequences and write the rules below:

2 4 6 8 \_\_\_ \_\_\_

Rule: ( eg add 2 )

5 10 15 \_\_\_ \_\_\_

( \_\_\_\_\_ )

10 20 30 \_\_\_ \_\_\_

( \_\_\_\_\_ )

6 9 12 \_\_\_ \_\_\_

( \_\_\_\_\_ )

2 9 16 \_\_\_ \_\_\_

( \_\_\_\_\_ )

7 18 29 \_\_\_ \_\_\_

( \_\_\_\_\_ )

100 200 300 \_\_\_ \_\_\_

( \_\_\_\_\_ )

16 24 32 \_\_\_ \_\_\_

( \_\_\_\_\_ )

30 60 90 \_\_\_ \_\_\_

( \_\_\_\_\_ )

Fill in the missing numbers and extend the sequences:

4 6 \_\_\_ 10 \_\_\_ 14 \_\_\_ \_\_\_

\_\_\_ 20 25 30 \_\_\_ 40 45 \_\_\_ \_\_\_

4 7 \_\_\_ 13 16 \_\_\_ 22 \_\_\_ \_\_\_

\_\_\_ 22 33 \_\_\_ 55 \_\_\_ 77 \_\_\_ \_\_\_

5 9 13 \_\_\_ 21 \_\_\_ 29 \_\_\_ \_\_\_

13 15 17 \_\_\_ 21 \_\_\_ 25 \_\_\_ \_\_\_

Make your own number sequences below. See if your partner can write the rules:

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_  
Rule: ( \_\_\_\_\_ )

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_  
( \_\_\_\_\_ )

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_  
( \_\_\_\_\_ )

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_  
( \_\_\_\_\_ )

**CHALLENGE:** What are the rules for these sequences? Can you carry them on?

1 2 4 8 16 \_\_\_ \_\_\_

Rule: ( \_\_\_\_\_ )

271, 371, 471, \_\_\_ \_\_\_

( \_\_\_\_\_ )

7 21 35 49 \_\_\_ \_\_\_

( \_\_\_\_\_ )

0 1 3 6 10 15 \_\_\_ \_\_\_

( \_\_\_\_\_ )