

On the board, write down the first 3 multiples of 2 (2,4,6,8). Ask students if they can identify any patterns.

Write down the first three multiples of 5 and 10, then again have students discuss patterns.

These patterns will seem obvious to the students but do not overlook them because starting students off by figuring out simple patterns helps them notice more difficult patterns later on in the unit.

Pass out a **Missing Numbers sheet** to each student. Have them work to find the missing number in each of the top number sequences (numbers 2, 5 and 10.)

If there is time, have students complete the remaining sequences for the numbers 3, 6, and 9.

MATERIALS:

- Missing Numbers sheet

Missing Numbers

Number sequences for numbers 2, 5 and 10

16, __, 20, __, 24

15, 20, __, __, 35

__, 50, 60, __, 80

30, __, 34, __

__, 110, __, 120

80, __, __, 110

84, __, 80, 78, __

__, 225, __, 215, 210

130, __, 110, __, 90

Number sequences for numbers 3 and 9

12, 15, __, 21, __

18, __, 36, __, 54

108, __, 126, 135, __

69, __, 75, 78, __

__, 63, 72, 81, __

102, 105, 108, __, __

306, 297, __, 279, __

__, 123, 120, __, 114

180, __, 162, __, 144

Number sequences for number 6

__, 12, 18, __, 30

30, __, 42, __, 54

72, __, 60, __, 48

78, 84, __, 96, __

102, __, 114, __, 126

36, __ 24 18 __