

# This Week's Problems

## Foundation Phase

Fill in the missing numbers (Count forwards and backwards)

Count in **1's**:

\_\_\_\_, \_\_\_\_, 6, \_\_\_\_, \_\_\_\_                      10, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_  
\_\_\_\_, 8, \_\_\_\_, \_\_\_\_, 11                      \_\_\_\_, \_\_\_\_, \_\_\_\_, 15, \_\_\_\_

Now count in **2's**:

2, \_\_\_\_, 6, \_\_\_\_, 10, \_\_\_\_                      4, \_\_\_\_, \_\_\_\_, 10, \_\_\_\_, \_\_\_\_  
8, \_\_\_\_, \_\_\_\_, \_\_\_\_, 16                      \_\_\_\_, 10, \_\_\_\_, \_\_\_\_, \_\_\_\_

## Key Stage 2

### Missing Numbers

Work out the missing numbers then write a full sentence explaining the rule.

1. 15, 17, \_\_\_\_, \_\_\_\_, 23, 25, \_\_\_\_, \_\_\_\_. The rule is
2. \_\_\_\_, 33, 38, \_\_\_\_, 48, \_\_\_\_, \_\_\_\_, 63. The rule is
3. \_\_\_\_, \_\_\_\_, 26, \_\_\_\_, \_\_\_\_, 56, \_\_\_\_, \_\_\_\_. The rule is
4. 91, \_\_\_\_, 81, \_\_\_\_, \_\_\_\_, 66, \_\_\_\_, \_\_\_\_. The rule is
5. \_\_\_\_, 62, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, 2. The rule is

### Challenge Questions

Find the missing number in the following number sequences

- a) 3, 6, 9, ....., 15      b) 5, 50, 500, ....., 50 000      c) 7, ....., 21, 28, ....., 42  
d)  $96\frac{1}{3}$ ,  $96\frac{2}{3}$ , 97,  $97\frac{1}{3}$ , .....,      e) 5.2, 6.9, 8.6, .....

