Counting, properties of numbers and number sequences

As outcomes. Year 2 pupils should, for example: As outcomes. Year 3 pupils should, for example: Respond to questions such as: Respond to questions such as: • From zero and then from any small number, count Count on from any small number in steps of 2, 3, 4, on in 2s, 3s, 4s or 5s to 30 or more. 5, 10 or 100, and then back. Can you go past 100? Now count back. • Use a number grid computer program to display multiples of 2, 5, 10... on a 10×10 arid, and describe the patterns made. Take a 5×5 number grid. Take a 4×4 number grid. • Count on in threes from 1. Count on in twos from 1. T 5 2 4 2 3 4 3 Colour numbers you land on. Colour numbers you land on. 6 7 8 q 10 Describe the pattern you get. 5 6 7 8 What do you notice? 15 Ш 12 13 14 q Ш 12 10 ١q 20 17 18 16 Try a 5×5 number grid. If you went on, would 28 be 13 14 15 16 in your sequence? Or 40? 24 25 22 23 21 How do you know? Predict what would happen with a 6×6 number grid. What would happen if you started at 2? Would the pattern be the same? Now try a 6×6 number grid. Try steps of 4 and 5. 3, 6, 9, 12... 16, 14, 12, 10... 78, 76, 74, 72... 2, 7, 12, 17... Describe each pattern. What is the rule? Describe each pattern. What is the rule? What are the next three numbers in each What are the next three numbers in each sequence? sequence? Fill in the missing number in this sequence: Fill in the missing numbers in this sequence: • 3, 6, \Box , 12, 15 5, 9, 0, 17, 21, 0, 0 Create sequences with a given constraint: Create sequences with a given constraint: for example, make a sequence which has the for example, make a sequence which has the numbers 6 and 12 in it. numbers 7 and 16 in it. Understand, use and begin to read: multiple. Use, read and begin to write: multiple. Recognise that multiples of: Recognise that multiples of: end in 0; end in 00; 10 100 5 end in 0 or 5. 50 end in 00 or 50; Begin to recognise that multiples of: 10 end in 0; end in 0, 2, 4, 6, 8. 5 end in 0 or 5; 2 2 end in 0, 2, 4, 6, 8. Begin to recognise two-digit multiples of 10, 5 or 2: for example, that 65 is a multiple of 5, or that 32 is a Respond to questions such as: multiple of 2. • Ring the numbers which are multiples of 5: 15 35 52 55 59 Respond to questions such as: 95 Count in 50s to 1000, then back to zero. • Ring the numbers which are multiples of 10: • 70 45 12 80 10 27 Write three different multiples of 50. What is the multiple of 10 before 140? • What is the multiple of 100 after 500?

What is the next multiple of 5 after 195?