Y4 – Spring – Block 1 – Step 12 – Divide a 2-digit number by a 1-digit number (2) Answers

Question	Answer
1	a) Whitney has divided 49 into four equal groups. This leaves one counter left over. b) 49 is not exactly divisible by 4, so there is a remainder. c) 49 ÷ 4 = 12 r1 d) 50 ÷ 4 = 12 r2 51 ÷ 4 = 12 r3 The remainder goes up by 1 each time.
2	a) 15 r2 b) 5 r1 c) 22 r1 d) 6 r2 e) 8 r1 f) 11 r3 g) 24 r2 h) 11 r4
3	a) 36 ÷ 4 = **9** 37 ÷ 4 = **9 r1** 38 ÷ 4 = **9 r2** 39 ÷ 4 = **9 r3** 40 ÷ 4 = **10** b) 70 ÷ 5 = **14** 71 ÷ 5 = **14 r1** 72 ÷ 5 = **14 r2** 73 ÷ 5 = **14 r3** 74 ÷ 5 = **14 r4** c) 45 ÷ 3 = **15** 46 ÷ 3 = **15 r1** 47 ÷ 3 = **15 r2** 48 ÷ 3 = **16** 49 ÷ 3 = **16 r1** d) 92 ÷ 4 = **23** 91 ÷ 4 = **22 r3** 90 ÷ 4 = **22 r2** 89 ÷ 4 = **22 r1** 88 ÷ 4 = **22**
4	a) Dora has spotted a pattern. As the number being divided increases by 1, the remainder also increases by 1 b) The largest possible remainder when dividing by 4 is 3. 76 is exactly divisible by 4, so there is no remainder.
5	a) 75 ÷ 6 = 12 r3 b) the number of eggs left over when she has completely filled the boxes c) Annie can fill **12** boxes, with **3** eggs left over.

Y4 – Spring – Block 1 – Step 12 – Divide a 2-digit number by a 1-digit number (2) Answers (continued)

Question	Answer
6	a) 13 b) 3
7	a) daffodils 12 tulips 15 crocuses 24 b) daffodils 1 tulips 3 crocuses 2 c) 7