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| **PAGE 122**  (No answers needed) | **PAGE 123**  **1.**  4 x 9 = 36 ➞ 3 + 6 = 9  5 x 9 = 45 ➞ 4 + 5 = 9  6 x 9 = 54 ➞ 5 + 4 = 9  7 x 9 = 63 ➞ 6 + 3 = 9  8 x 9 = 72 ➞ 7 + 2 = 9  9 x 9 = 81 ➞ 8 + 1 = 9  10 x 9 = 90 ➞ 9 + 0 = 9  **2.**  **(a)** 21, 32, 43, 54, 65, 76, 87,  98  **(b)** 31, 42, 53, 44, 35, 46, 57,  48, 39  **(c)** 61, 62, 72, 73, 64, 65, 75,  76, 67, 68, 78  **3.**  **(a)** even  **(b)** even  **(c)** odd  **(d)** even  **(e)** odd  **(f)** odd  **(g)** even  **(h)** even  **(i)** odd  **(j)** even  **4.**  **(a)** 9 + 6 = 15  19 + 6 = 25  29 + 6 = 35  39 + 6 = 45  49 + 6 = 55  59 + 6 = 65  69 + 6 = 75  79 + 6 = 85  **(b)** 4 + 8 = 12  14 + 8 = 22  24 + 8 = 32  34 + 8 = 42  44 + 8 = 52  54 + 8 = 62  64 + 8 = 72  74 + 8 = 82  Rule: Add 8  **(c)** 27 – 3 = 24  37 – 3 = 34  47 – 3 = 44  57 – 3 = 54  67 – 3 = 64  77 – 3 = 74  87 – 3 = 84  97 – 3 = 94  Rule: subtract 3  **(d)** 20 – 9 = 11  30 – 9 = 21  40 – 9 = 31  50 – 9 = 41  60 – 9 = 51  70 – 9 = 61  80 – 9 = 71  90 – 9 = 81  Rule: subtract 9 | **PAGE 124**  **1.**  **(a)** 0, 4, 8, 12, 16, 20, 24, 28,  32, 36, 40  **(b)** 9, 18, 27, 36, 45, 54, 63, 72,  81, 90, 99, 108  **(c)** 980, 880, 780, 680, 580,  480, 380, 280, 180, 80  **(d)** 300, 325, 350, 375, 400,  425, 450, 475, 500, 525,  550, 575  **(e)** 250, 500, 750, 1000, 1250,  1500, 1750, 2000, 2250,  2500, 2750  **(f)** 975, 1000, 1025, 1050,  1075, 1100, 1125, 1150,  1175, 1200  **(g)** 1400, 1450, 1500, 550,  1600, 1650, 1700, 1750,  1800, 1850, 1900  **2.**  **(a)** 4, 8, 12, 16, 20, 24, 28  **(b)** 7, 14, 21, 28, 35, 42, 49  Rule: Add 7  **(c)** 36, 45, 54, 63, 72, 81  Rule: Add 9  **(d)** 18, 24, 30, 36, 42, 48, 54,  Rule: Add 6  **(e)** 64, 56, 48, 40, 32, 24  Rule: subtract 8  **(f)** 156, 135, 114, 93, 72, 51  Rule: subtract 21  **(g)** 450, 430, 410, 390, 370  Rule: subtract 20  **(h)** 950, 1000, 1050, 1100,  1150, 1200  Rule: Add 50  **(i)** 4000, 4250, 4500, 4750,  5000  Rule: Add 250  **(j)** 6120, 6020, 5920, 5820,  5720  Rule: Take away 100 |

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| **PAGE 147**  **1.**  **(a)** 4 x 7 = 28 ÷ 7 = 4  11 x 7 = 77 ÷ 7 = 4  6 x 7 = 42 ÷ 7 = 6  8 x 7 = 56 ÷ 7 = 8  5 x 7 = 35 ÷ 7 = 5  **(b)** 2 x 9 = 18 ÷ 9 = 2  9 x 9 = 81 ÷ 9 = 9  7 x 9 = 63 ÷ 9 = 7  3 x 9 = 27 ÷ 9 = 3  5 x 9= 45 ÷ 9 = 5  **(c)** 3 x 8 = 24 ÷ 8 = 3  7 x 8 = 56 ÷ 8 = 7  9 x 8 = 72 ÷ 8 = 9  8 x 8 = 64 ÷ 8 = 8  6 x 8 = 48 ÷ 8 = 6  **2.**  **(a)** 5 x 12 = 60 so,  60 ÷ 12 = 5  60 ÷ 5 = 12  **(b)** 8 x 9 = 72 so,  72 ÷ 9 = 8 and  72 ÷ 8 = 9  **(c)** 6 x 7 = 42 so,  42 ÷ 7 = 6  42 ÷ 6 = 7  **(d)** 12 x 8 = 96 so,  96 ÷ 12 = 8  96 ÷ 8 = 12  **(e)** 7 x 8 = 56 so  56 ÷ 7 = 8  56 ÷ 8 = 7  **3.** 608  **4.** 24  **5.** €531  **Challenge:** 6 | **PAGE 148**  **1.**  **(a)** 56, 8, 72, 24, 3, 36, 9, 63  **(b)** 81, 9, 45, 15, 90, 9, 72, 8  **2.**  **(a)** 4 x 9 = 36  **(b)** 9 x 4 = 36  **(c)** 36 ÷ 9 = 4  **(d)** 36 ÷ 4 = 9  **(a)** 5 x 11 = 55  **(b)** 11 x 5 = 55  **(c)** 55 ÷ 11 = 5  **(d)** 55 ÷ 5 = 11  **(a)** 6 x 7 = 42  **(b)** 7 x 6 = 42  **(c)** 42 ÷ 7 = 6  **(d)** 42 ÷ 6 = 7  **(a)** 7 x 9 = 63  **(b)** 9 x 7 = 63  **(c)** 63 ÷ 9 = 7  **(d)** 63 ÷ 7 = 9  **(a)** 8 x 9 = 72  **(b)** 9 x 8 = 72  **(c)** 72 ÷ 9 = 8  **(d)** 72 ÷ 8 = 9  **3.** 13 0  **4.** 540 grammes  **Challenge:** 40 | **PAGE 149**  **1.**  **(a)** 171  **(b)** 368  **(c)** 228  **(d)** 158  **(e)** 180  **(f)** 240  **(g)** 189  **(h)** 602  **(i)** 395  **(j)** 336  **(k)** 188  **(l)** 603  **2.**  **(a)** 5  **(b)** 4  **(c)** 4  **(d)** 7  **(e)** 3  **(f)** 4  **3.** 4 days  12kg unused  **4.** 324  **Challenge:** 432km | **PAGE 150**  **1.**  **(a)** 15  **(b)** 28  **(c)** 15  **(d)** 19  **(e)** 13  **(f)** 34 R1  **(g)** 7 R5  **(h)** 20 R3  **(i)** 17 R4  **(j)** 25 R1      **3.**  **(a)** 8  **(b)** €9·50  **(c)** €26  **(d)** 174  **(e)** Louise: €13·50  Liam: €15·50  **(f)** €39·50  **Challenge:** (i) 8100 | **PAGE 151**  **1.** + €2865  **2.** – €7223  **3.** + €430  **4.** ÷ 18  **5.** x 448  **6.** x 666  **7.** – 2716  **8.** – 1656m  **9.** ÷ 49  **10.** x 675  **11.** x 972  **Challenge:** (i) 31  (ii) 6 | **PAGE 152**  **1.** 7  **2.** 3  **3.** 6  **4.** 480  **5.** 8 R4  **6.** certain  **7.** 1 in 6  **8.** €356  **9.** 30 R3  **10.** 2/12  **11.** €17·25  **12.** Pam  **13.** 3/100  **14.** 4  **15.** €32  **16.** 2hrs 20mins  **17.** 3900  **18.** 3  **19.** 36cm  **20.** 94 R1 |