**Year 4 Maths
Steppingstone activity**

**Lesson 3
LO: To subtract two 4-digit numbers**

**Success Criteria:**

|  |
| --- |
| 1. **Write out the calculation – check digits are in the correct columns!**
 |
| 1. **Subtract the bottom ones digit from the top ones digit.**
 |
| 1. **Subtract the bottom tens digit from the top tens digit.**
 |
| 1. **Subtract the bottom hundreds digit from the top hundreds digit.**
 |
| 1. **Subtract the bottom thousands digit from the top thousands digit.**
 |



**Model**

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1. **2. 3. 4. 5.**

**Now you try…**

**7745 – 5223 = 2522 6936 – 2513 = 4423 5038 – 1014 = 4024**

**8765 – 7654 = 1111 2944 – 1321 = 1623**

**Stepping stone challenge:**



**ANSWER: Harry is incorrect. He has subtracted the tens column incorrectly. The answer should be 2,231.**

**Year 4 Maths**

**Lesson 3
LO: To subtract two 4-digit numbers**

**Task:**

You are going to practise subtracting with exchanges.

**Success Criteria for 5643 - 4316**

|  |
| --- |
| 1. **Write out the calculation – check digits are in the correct columns!**
 |
| 1. **Can you subtract the bottom digit from the top digit? No. Exchange one ten for ten ones.**
 |
| 1. **Subtract the bottom one from the new 2-digit number above.**
 |
| 1. **Go to the tens column and subtract the bottom ten from the new** **top ten.**
 |
| 1. **Subtract the bottom hundreds digit from the top hundreds digit.**
 |
| 1. **Subtract the bottom thousands digit from the top thousands digit.**
 |



**Model:**

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 **1. 2. 3. 4. 5. 6.**

**Make sure all your answers are in the correct columns!!!**

**Year 4 Maths
Main activity**Complete at least 2 columns, more if you can!

|  |  |  |  |
| --- | --- | --- | --- |
| **Task 1** | **Task 2** | **Task 3** | **Task 4** |
| **Practice****Have a go at these subtractions (one exchange)****4721 – 3605 =****1116****3425 – 1283 =****2142****4172 – 3650 =****522****8259 – 4750 =****3509****4721 – 3650 =****1071** | **Practice****Have a go at these subtractions (more than one exchange)****5142 – 4085 =****1057****9756 – 5837 =****3883****8291 – 6534 =****1757****7352 – 4867 =****2485****5063 – 3258 =****1805**  | **Reasoning****The thousands column is incorrect. 1,000 has not been subtracted from 4,000. The answer should be 3,571.****Possible answers: 9,793 – 623 = 9,170; 9,793 – 123 = 9,670** | **Problem solving****Chloe is given a starting number of 7,968. She rolls four dice and gets the numbers 1, 2, 3 and 6. She arranges them to make different 4-digit numbers which she subtracts from her starting number.** **The grid shows four of the numbers she created after completing her subtractions.****What subtractions did she complete?****Various answers, for example:** **7,968 – 1,362 = 6,606 7,968 – 2,136 = 5,832 7,968 – 6,213 = 1,755 7,968 – 3,621 = 4,347** |