

Homework/Extension

Step 1: Add and Subtract Integers

National Curriculum Objectives:

Mathematics Year 6: (6C8) [Solve problems involving addition, subtraction, multiplication and division](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Complete the part whole model using addition or subtraction of 5-digit integers with up to one exchange.

Expected Complete the part whole model using addition or subtraction of 6-digit integers with up to two exchanges.

Greater Depth Complete the part whole model using addition or subtraction of 6-digit integers with multiple exchanges.

Questions 2, 5 and 8 (Varied Fluency)

Developing Use the place value charts to complete an addition and a subtraction calculation using 5-digit integers with up to one exchange.

Expected Use the place value charts to complete an addition and a subtraction calculation using 6-digit integers with up to two exchanges.

Greater Depth Use the place value charts to complete an addition and a subtraction calculation using 6-digit integers with multiple exchanges.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Calculate the solution to a given word problem using addition or subtraction of 5-digit integers with up to one exchange and involving a single step.

Expected Calculate the solution to a given word problem using addition or subtraction of 6-digit integers with up to two exchanges and involving up to two steps.

Greater Depth Calculate the solution to a given word problem using addition or subtraction of 6-digit integers with multiple exchanges and multiple steps. Some numbers are represented in words.

More [Year 6 Four Operations](#) resources.

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Add and Subtract Integers

Developing

1. **A – 96,391; B – 43,712**
2. **A – 69,585; B – 21,723**
3. **11,780**

Expected

4. **A – 319,682; B – 358,422**
5. **A – 583,647; B – 145,537**
6. **157**

Greater Depth

7. **A – 1,820,005; B – 162,314**
8. **A – 1,792,946; B – 35,604 (498,179 + 380,492 = 878,671; 914,275 – 878,671 = 35,604)**
9. **left – 3,863; sold – 897,471**