3.NBT.A

Use place value understanding and properties of operations to perform multi-digit arithmetic.

1. When rounding to the nearest hundred, what is the **least** whole number that rounds to 500?

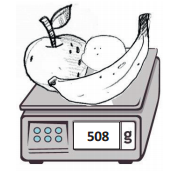
2. What unknown number makes this equation true? 763 + 97 = 763 + 100 – □

3. What unknown number makes this equation true? 763 – 43 = 763 – 40 – □

4. What unknown number makes the equation true? (6 × 5) × □ = 240

6. David is driving from Los Angeles to San Francisco. The total distance is 617 kilometers. He has 468 kilometers left to drive. How many kilometers has he driven so far?

7. The total weight of an apple, lemon, and banana in grams is shown.



a. If the apple and lemon together weigh 317 grams, what is the weight of the banana?

b. If we know the lemon weighs 68 grams less than the banana, how much does the lemon weigh?

c. What is the weight of the apple?

**Teacher Material**

3.NBT.A

Use place value understanding and properties of operations to perform multi-digit arithmetic.

| **Question** | **Claim** | **Key/Suggested Rubric** |
| --- | --- | --- |
| 1[[1]](#footnote-1) | 1 | **1 point:** 450 |
| 21 | 1 | **1 point:** 3 |
| 31 | 1 | **1 point:** 3 |
| 41 | 1 | **1 point:** 8 |
| 5[[2]](#footnote-2) | 2 | **1 point:** 617 – 468 = 149 kilometers |
| 6[[3]](#footnote-3) | 2 | **2 points:** Determines correct values for a., b., and c.  a. 508 – 317 = 191 grams  b. 191 – 68 = 123 grams  c. 317 – 123 = 194 grams  **1 point:** Determines correct values for two of the three, a., b., and c. |

1. From Smarterbalanced.org. Grade 3, Claim 1, Target E Item Specifications. Internet. Available from <http://www.smarterbalanced.org/smarter-balanced-assessments/>; accessed 11/2015. [↑](#footnote-ref-1)
2. From EngageNY.org of the New York State Education Department. Grade 3 Mathematics Module 2, Topic E, Lesson 19. Internet. Available from <https://www.engageny.org/resource/grade-3-mathematics-module-2-topic-e-lesson-19>; accessed 11/2015. [↑](#footnote-ref-2)
3. From EngageNY.org of the New York State Education Department. Grade 3 Mathematics Module 2, Topic E, Lesson 20. Internet. Available from <https://www.engageny.org/resource/grade-3-mathematics-module-2-topic-e-lesson-20>; accessed 11/2015. [↑](#footnote-ref-3)