

Practice Test Answer and Alignment Document

Mathematics – Grade 4

Online

The following pages include the answer key for all machine-scored items, followed by the rubrics for the hand-scored items.

- The rubrics show sample student responses. Other valid methods for solving the problem can earn full credit unless a specific method is required by the item.
- In items where the scores are awarded for full and partial credit, the definition of partial credit will be confirmed during range-finding (reviewing sets of real student work).
- If students make a computation error, they can still earn points for reasoning or modeling.

Item Number	Answer Key	Evidence Statement Key/Content Scope
1.	12	4.MD.3
2.	Part A: $\frac{50}{100}$ (no equivalent accepted) Part B: $\frac{97}{100}$ or equivalent	4.NF.Int.2
3.	21,894	4.NBT.5-1
4.	Part A: 20 Part B: see rubric Part C: see rubric	4.D.2/3.MD.3
5.	<div style="background-color: #e0e0e0; padding: 5px; margin-bottom: 5px;">Multiples of 8</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid #00aaff; border-radius: 10px; padding: 5px 15px; background-color: #e0e0e0;">8</div> <div style="border: 1px solid #00aaff; border-radius: 10px; padding: 5px 15px; background-color: #e0e0e0;">24</div> <div style="border: 1px solid #00aaff; border-radius: 10px; padding: 5px 15px; background-color: #e0e0e0;">64</div> <div style="border: 1px solid #00aaff; border-radius: 10px; padding: 5px 15px; background-color: #e0e0e0;">80</div> </div>	4.OA.4-3

6.	$\frac{2}{5} = \frac{40}{100}$ $\frac{3}{5} < \frac{2}{3}$	4.NF.2-1
7.	B, E	4.NBT.2
8.	Part A: 5 Part B: see rubric	4.C.5-5/4.NF.7
9.	4,355	4.NBT.Int.1
10.	Part A: $\frac{3}{10} + \frac{4}{10} = s$ or $\frac{4}{10} + \frac{3}{10} = s$ Part B: $\frac{7}{10}$ or equivalent	4.NF.3d
11.	A, E	4.NF.3a