

Sort Smart Answer Key

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|--|---|
| 1) $4/8 = 1/2$ - Answer Needs Simplifying | 6) $4/16 = 1/4$ - Answer Needs Simplifying |
| 2) $5/10 = 1/2$ - Answer Needs Simplifying | 7) $8/20 = 2/5$ - Answer Needs Simplifying |
| 3) $4/9$ - Answer Already Simplified | 8) $6/14 = 3/7$ - Answer Needs Simplifying |
| 4) 0 - Difference Equals Zero | 9) 0 - Difference Equals Zero |
| 5) $9/15 = 3/5$ - Answer Needs Simplifying | 10) $8/24 = 1/3$ - Answer Needs Simplifying |

Category Lists

- Answer Needs Simplifying: 1, 2, 5, 6, 7, 8, 10
- Answer Already Simplified: 3
- Difference Equals Zero: 4, 9

Teacher's Guide

- Quick implementation tips
 - o Review the three categories before students begin.
 - o Encourage students to solve first, then decide which category fits.
 - o Remind students that zero is already in simplest form.
- Differentiation strategies
 - o Provide fraction strips for students who need visual support.
 - o Have students work with a partner to justify each category choice.
 - o Challenge advanced students to explain why an answer does or does not need simplifying.
- Engagement ideas
 - o Let students compare their category lists with a partner before checking answers.
 - o Turn the sort into a small group discussion where students defend one category choice.
 - o Ask students to find the category with the most problems and explain why.
- Extension activities
 - o Have students write two new problems for each category.
 - o Ask students to create one subtraction problem that cannot be simplified.