GRADE 5 · FRACTION AND RATIONAL REASONING

Estimate sums and differences of fractions

NAME	DATE	SCORE / 10

1 Round each fraction to 0, one half or one. What is your estimate of $\frac{4}{7} + \frac{5}{9}$?

2 Emma says $\frac{4}{9} + \frac{3}{5} = 1\frac{2}{45}$. Round each fraction to 0, one half or one to check. Is Emma's answer reasonable?

◯ Yes, it is close to the estimate. ◯ No, it is much too small. ◯ No, it is much too large.

3 Round each fraction to 0, one half or one. What is your estimate of $\frac{3}{7} + \frac{8}{9}$?

4 Maya says $\frac{3}{8} + \frac{5}{12} = \frac{2}{5}$. Round each fraction to 0, one half or one to check. Is Maya's answer reasonable?

◯ Yes, it is close to the estimate. ◯ No, it is much too small. ◯ No, it is much too large.

5 Round each fraction to 0, one half or one. What is your estimate of $\frac{5}{11} + \frac{1}{9}$?

6 Dev says $\frac{8}{9} - \frac{3}{5} = 1\frac{1}{4}$. Round each fraction to 0, one half or one to check. Is Dev's answer reasonable?

◯ Yes, it is close to the estimate. ◯ No, it is much too small. ◯ No, it is much too large.

7 Round each fraction to 0, one half or one. What is your estimate of $\frac{10}{11} - \frac{7}{12}$?

8 Leo says $\frac{5}{11} + \frac{2}{5} = \frac{7}{16}$. Round each fraction to 0, one half or one to check. Is Leo's answer reasonable?

◯ Yes, it is close to the estimate. ◯ No, it is much too small. ◯ No, it is much too large.

9 Round each fraction to 0, one half or one. What is your estimate of $\frac{10}{11} + \frac{9}{10}$?

10 Cleo says $\frac{7}{12} - \frac{1}{9} = \frac{17}{36}$. Round each fraction to 0, one half or one to check. Is Cleo's answer reasonable?

◯ Yes, it is close to the estimate. ◯ No, it is much too small. ◯ No, it is much too large.

ANSWER KEY · GRADE 5 · FRACTION AND RATIONAL REASONING

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1. 1
2. Yes, it is close to the estimate.
3. 1 1/2
4. No, it is much too small.
5. 1/2
6. No, it is much too large.
7. 1/2
8. No, it is much too small.
9. 2
10. Yes, it is close to the estimate.