

Mixed Number Operations and Recurring Decimals

Year 8 · Number · y8-fraction-simplify

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Work out $2\frac{1}{3} + 1\frac{1}{4}$.

2. Write $\frac{1}{3}$ as a recurring decimal.

3. Work out $3\frac{1}{2} - 1\frac{3}{4}$.

4. Work out $2\frac{1}{2} \times 1\frac{1}{3}$.

5. A recipe uses $2\frac{1}{4}$ cups of flour. A baker makes $1\frac{1}{2}$ times the recipe. How much flour is needed?

6. Work out $4\frac{2}{5} - 2\frac{3}{10}$.

7. Convert to improper fractions first, then add. Work out $1\frac{2}{3} + 2\frac{1}{6}$.

8. A recurring decimal keeps repeating a digit or block of digits forever. Write $\frac{2}{9}$ as a recurring decimal.

Challenge

1. Work out $3\frac{1}{4} \times 2\frac{2}{5}$.

2. Work out $2\frac{1}{2} \div 1\frac{1}{4}$.
