

5th Grade Fraction Word Problems - Answer Key

5th Grade - fraction word problems with unlike denominators | 22 minutes

Read each problem. Find a common denominator, solve, and simplify the answer. Include the label.

Example: $\frac{1}{2}$ cup + $\frac{1}{4}$ cup: rewrite as $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ cup.

1. A recipe uses $\frac{1}{2}$ cup of sugar and $\frac{1}{3}$ cup of brown sugar. How much sugar in all?

Answer: $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$ cup

2. Liam ran $\frac{3}{4}$ mile and walked $\frac{1}{8}$ mile. How far did he go in total?

Answer: $\frac{6}{8} + \frac{1}{8} = \frac{7}{8}$ mile

3. A board is $\frac{5}{6}$ m long. You cut off $\frac{1}{2}$ m. How much is left?

Answer: $\frac{5}{6} - \frac{3}{6} = \frac{2}{6}$ m (= $\frac{1}{3}$ m)

4. Ava painted $\frac{2}{3}$ of a wall and Sam painted $\frac{1}{6}$. How much is painted in all?

Answer: $\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$ of the wall

5. A jug holds $\frac{3}{4}$ liter. You drink $\frac{1}{3}$ liter. How much remains?

Answer: $\frac{9}{12} - \frac{4}{12} = \frac{5}{12}$ liter

6. Of a pizza, $\frac{1}{2}$ is cheese and $\frac{1}{4}$ is veggie. How much more is cheese than veggie?

Answer: $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$ of the pizza

Challenge

7. Maria studied $\frac{2}{3}$ hour, then $\frac{3}{4}$ hour more. How long in total?

Answer: $\frac{8}{12} + \frac{9}{12} = \frac{17}{12}$ hours = $1 \frac{5}{12}$ hours

8. Why must you find a common denominator before adding fractions?

Answer: Because you can only add pieces that are the same size.