

### 3-FRACTION PROBLEMS

HOMEWORK GRADE

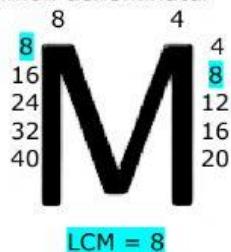
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Select the correct answer. Always simplify to find your lowest fraction.

Example: Solve for the sum of  $\frac{4}{8} + \frac{1}{4} + \frac{1}{8}$ .

Step 1: Set up your problem  $\rightarrow \frac{4}{8} + \frac{1}{4} + \frac{1}{8} =$

Step 2: Find the LCM using the two denominators in order to find a common denominator



Step 3: Change your denominators to 8 for the common denominator. Then change your numerator. Since  $\frac{4}{8}$  and  $\frac{1}{8}$  already has a denominator of 8, your numerator will not change. The fraction  $\frac{1}{4}$  needs to be changed, the 4 becomes 8 by being multiplied by 2, so the numerator 1 has to be multiplied by 2 to equal 2. Now solve!

$$\frac{4}{8} + \frac{2}{8} + \frac{1}{8} = \frac{7}{8}$$

1. Solve for the sum of  $\frac{2}{12} + \frac{1}{4} + \frac{1}{4}$ .

$\frac{2}{3}$	$\frac{8}{12}$	$\frac{4}{20}$
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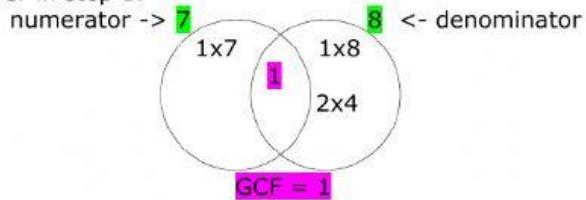
2. Solve for the sum of  $\frac{2}{6} + \frac{1}{3} + \frac{1}{6}$ .

$\frac{5}{6}$	$\frac{3}{6}$	$\frac{4}{17}$
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3. Solve for the sum of  $\frac{2}{8} + \frac{2}{8} + \frac{1}{4}$ .

$\frac{6}{8}$	$\frac{5}{20}$	$\frac{3}{4}$
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Step 4: Simplify your answer by finding the GCF of your answer in step 1.



Step 5: Divide your numerator and denominator by the GCF.

$$\frac{7}{8} \div \boxed{1} = \frac{7}{8}$$

Final Answer:  **$\frac{7}{8}$**

4. Solve for the sum of  $\frac{1}{3} + \frac{1}{3} + \frac{1}{9}$ .

$\frac{3}{15}$	$\frac{7}{9}$	$\frac{3}{27}$
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\* Remember – if your GCF = 1, then your fraction is in its simplest form, it stays the same.