Worksheet: adding and subtracting fractions with unlike denominators — Grade 6

Goal: add and subtract two fractions with different denominators, and write the answer in simplest form. Show your working in the box next to each problem.

Name · Class · Date

Problem	Working
1. Complete: $\frac{3}{5} = \frac{\square}{20}$	
2. What is the least common multiple of 6 and 8?	
3. $\frac{5}{9} - \frac{2}{9}$, in simplest form	

Part 1: Warm-up

Problem	Working
4. $\frac{1}{2} + \frac{3}{8}$	
5. $\frac{5}{6} - \frac{1}{3}$	
6. $\frac{2}{3} + \frac{1}{5}$	
7. $\frac{3}{4} - \frac{1}{6}$	
8. $\frac{5}{6} + \frac{3}{4}$, as a mixed number	

Part 2: Practice — write every answer in simplest form

Problem	Working
9. A jug holds $\frac{3}{4}$ litre of juice. $\frac{2}{5}$ litre is poured into a glass. How much is left in the jug?	
10. A student read $\frac{1}{6}$ of a story on Monday and $\frac{3}{8}$ of the whole story on Tuesday. Has the student read more than half of the story? Explain.	

Part 3: Word problems

Part 4: Explain the mistake. 11. A student wrote: $\frac{3}{4} - \frac{1}{2} = \frac{2}{2} = 1$.

Explain the mistake in a sentence, then correct the work

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