

Add and Subtract Fractions Assessment Answer Key

1. C
2. D
3. D
4. B
5. C
6. A
7. A
8. C
9. $\frac{1}{8}$; Sample explanation: Together, the fraction of the cookies that was chocolate chip plus the fraction that was peanut butter is $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$. The total of all 3 types of cookies must be $\frac{8}{8}$, so the fraction that was sugar cookies is $\frac{8}{8} - \frac{7}{8} = \frac{1}{8}$.

10. $2\frac{1}{6}$ sticks; Sample explanation: The total amount of butter is $1\frac{1}{2}$ sticks plus $\frac{2}{3}$ stick. To add, $1\frac{1}{2}$ can be renamed $1\frac{3}{6}$, and $\frac{2}{3}$ can be renamed $\frac{4}{6}$.
The addition is:

$$1\frac{3}{6} + \frac{4}{6} = 1\frac{7}{6} = 1 + \frac{6}{6} + \frac{1}{6} = 1 + 1 + \frac{1}{6} = 2\frac{1}{6}.$$

11. $\frac{7}{10}$; $\frac{3}{10}$; Sample explanation: To add, $\frac{1}{2}$ can be renamed $\frac{5}{10}$, and $\frac{1}{5}$ can be renamed $\frac{2}{10}$. The sum is $\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$. To find how much more of the mural Kyra painted, the fraction that Ryan painted can be subtracted from the amount Kyra painted. The difference is $\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$.

Sample drawing:

