Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**Application problems – add/subtract rational numbers**

1. At the end of last year's baseball season, Ethan's batting average was 0.256. At the end of this year's season, his batting average was 0.302. How much higher was Ethan's batting average at the end of this year's season than at the end of last year's season?
2. A cake recipe calls for 2 $\frac{1}{7}$ cup of water and 3 $\frac{1}{3}$ cups of milk. How much total liquid is in the cake recipe?
3. This morning, Hiro spent $5.74 on printer paper, $1.87 on a marker, and $3.90 on a calendar. All prices included tax. If he gave the cashier $20, how much change should he have received?
4. Chepi had a spool with 18$\frac{1}{2}$ yards of wire. She used 2$\frac{2}{3}$ yards of the wire for a craft project. How much wire was left on the spool?
5. At the World Frog Jumping Championship, Willy defended his title by jumping distances of 6$\frac{1}{2}$feet, 5$\frac{7}{8}$ feet, and 7$\frac{2}{3}$feet. How many feet did Willy jump in total?
6. Charlotte originally had $45 in her purse. She bought a magazine for $4.95 and a DVD for $17.49. She also paid $1.57 for sales tax. How much money does Charlotte now have left in her purse?

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