Estimating Sums and Differences of Mixed Numbers

Round to the nearest whole number.

1. $3 \frac{4}{9}$ $\qquad$ 2. $5 \frac{6}{7}$ $\qquad$ 3. $2 \frac{2}{5}$ $\qquad$ 4. $11 \frac{12}{15}$

Estimate each sum or difference.
5. $2 \frac{1}{4}+3 \frac{5}{6}$ $\qquad$ 6. $5 \frac{6}{9}-1 \frac{3}{4}$
7. $8 \frac{5}{13}+5 \frac{3}{5}$ $\qquad$ 8. $11-6 \frac{3}{7}+2 \frac{2}{5}$ $\qquad$
Rodrigo and Mel are competing in a track meet. The table at the right shows the results of their events.
9. Rodrigo claims his best jump was about 1 ft longer than Mel's best jump. Is he correct?
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| Participant | Event | Results/Distance |
| :--- | :---: | :---: |
| Rodrigo | Long jump | 1. $6 \frac{3}{8} \mathrm{ft} \quad 2.5 \frac{5}{6} \mathrm{ft}$ |
|  | Softball throw | $62 \frac{1}{5} \mathrm{ft}$ |
|  | Long jump | 1. $4 \frac{7}{10} \mathrm{ft}$ |
|  | 2. $4 \frac{3}{4} \mathrm{ft}$ |  |
|  | Softball throw | $71 \frac{7}{8} \mathrm{ft}$ |

10. Use the table above. If the school record for the softball throw is 78 ft , about how much farther must Rodrigo throw the ball to match the record?
A 15 ft
B 16 ft
C 18 ft
D 20 ft
11. Writing to Explain Consider the sum of $\frac{3}{5}+\frac{3}{4}$. Round each fraction and estimate the sum. Add the two fractions using a common denominator and then round the result. Which estimate is closest to the actual answer?
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