Subtraction with Renaming

Estimate. Then find the difference and write it in simplest form.

1. Estimate: _____

$6\frac{1}{3} - 1\frac{2}{5}$

$$6\frac{1}{3} \rightarrow \overset{5}{\cancel{6}}\,\overset{20}{\cancel{\tfrac{5}{5}}}\,\frac{20}{15}$$

$$- 1\frac{2}{5} \rightarrow - 1\frac{6}{15}$$

$$4\frac{14}{15}$$

2. Estimate: _____

$4\frac{1}{2} - 3\frac{5}{6}$

3. Estimate: _____

$9 - 3\frac{7}{8}$

4. Estimate: _____

$2\frac{1}{6} - 1\frac{2}{7}$

5. Estimate: _____

$8 - 6\frac{1}{9}$

6. Estimate: _____

$9\frac{1}{4} - 3\frac{2}{3}$

Problem Solving · Real World

7. Carlene bought $8\frac{1}{16}$ yards of ribbon to decorate a shirt. She only used $5\frac{1}{2}$ yards. How much ribbon does she have left over?

_____

8. During his first vet visit, Pedro's puppy weighed $6\frac{1}{8}$ pounds. On his second visit, he weighed $9\frac{1}{16}$ pounds. How much weight did he gain between visits?

_____

9. **WRITE** ▸ *Math* Write a subtraction problem that has mixed numbers and requires renaming. Draw a model illustrating the steps you take to solve the problem.

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