

Name _____

Exploring Subtraction of Mixed Numbers

1. Is it necessary to rename if you are subtracting $2\frac{1}{3}$ from $4\frac{2}{3}$? Justify your answer.

2. Is it necessary to rename if you are subtracting $1\frac{4}{5}$ from $5\frac{2}{5}$? Justify your answer.

Tell whether or not you must rename the larger number. Then rename if necessary.

3. $3\frac{2}{7} - 1\frac{5}{7}$ _____

4. $5\frac{6}{10} - 2\frac{2}{10}$ _____

5. $3\frac{2}{5} - 1\frac{3}{5}$ _____

6. $4\frac{7}{8} - 3\frac{1}{8}$ _____

7. $1\frac{10}{11} - \frac{6}{11}$ _____

8. $2\frac{2}{9} - 1\frac{4}{9}$ _____

Rename the larger number.

9. $3 - 1\frac{3}{5}$ _____

10. $3\frac{1}{7} - 1\frac{2}{7}$ _____

11. $4\frac{5}{8} - 2\frac{7}{8}$ _____

12. $6 - 2\frac{3}{4}$ _____

13. $7\frac{3}{13} - 5\frac{7}{13}$ _____

14. $8\frac{2}{15} - 6\frac{11}{15}$ _____

Find the difference.

15. $8 - 5\frac{3}{4}$ _____

16. $12 - 10\frac{2}{3}$ _____

17. $8\frac{1}{4} - 6\frac{3}{4}$ _____

18. $6\frac{1}{6} - 4\frac{5}{6}$ _____

19. $4\frac{1}{9} - 2\frac{5}{9}$ _____

20. $5\frac{5}{12} - 3\frac{7}{12}$ _____

21. $8\frac{1}{7} - 2\frac{5}{7}$ _____

22. $9 - 6\frac{6}{7}$ _____

23. $20 - 12\frac{5}{9}$ _____

24. $7\frac{3}{8} - 3\frac{7}{8}$ _____

25. $11 - 7\frac{1}{6}$ _____

26. $18 - 11\frac{3}{5}$ _____

NUMBER SENSE

27. Two fractions have a sum of $\frac{5}{6}$. Their difference is $\frac{1}{6}$. What are the fractions?

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Answer Key

1. no; $\frac{2}{3} > \frac{1}{3}$
2. yes; $\frac{2}{5} < \frac{4}{5}$
3. yes; $2\frac{9}{7}$
4. no
5. yes; $2\frac{7}{5}$
6. no
7. no
8. yes; $1\frac{11}{9}$
9. $2\frac{5}{5}$
10. $2\frac{8}{7}$
11. $3\frac{13}{8}$
12. $5\frac{4}{4}$
13. $6\frac{16}{13}$
14. $7\frac{17}{15}$
15. $2\frac{1}{4}$
16. $1\frac{1}{3}$
17. $1\frac{1}{2}$
18. $1\frac{1}{3}$
19. $1\frac{5}{9}$
20. $1\frac{5}{6}$
21. $5\frac{3}{7}$
22. $2\frac{1}{7}$
23. $7\frac{4}{9}$
24. $3\frac{1}{2}$
25. $3\frac{5}{6}$
26. $6\frac{2}{5}$
27. $\frac{1}{2}$ and $\frac{1}{3}$

