

Practice 4-4

Adding Mixed Numbers

Complete to rename each mixed number.

1. $3\frac{9}{8} = 4\frac{?}{8}$ _____

2. $5\frac{7}{4} = 6\frac{?}{4}$ _____

3. $2\frac{17}{12} = 3\frac{?}{12}$ _____

Write each sum in simplest form.

4. $4\frac{3}{10} + 5\frac{2}{5}$

5. $3\frac{7}{8} + 2\frac{1}{2}$

6. $5\frac{2}{3} + 3\frac{1}{4}$

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

8. $1\frac{1}{12} + 3\frac{1}{6}$

9. $9\frac{2}{5} + 10\frac{3}{10}$

10. $7\frac{1}{3} + 5\frac{11}{12}$

11. $11\frac{7}{10} + 4$

12. $2\frac{2}{3} + 4\frac{3}{4}$

13. $7\frac{3}{4} + 2\frac{7}{8}$

14. $4\frac{1}{2} + 3\frac{5}{6}$

15. $7\frac{2}{3} + 1\frac{5}{6}$

16. $2\frac{1}{4} + 4\frac{3}{5}$

17. $5\frac{3}{8} + 7\frac{1}{4}$

18. $14\frac{5}{16} + 8\frac{3}{8}$

19. $\frac{11}{12} + 4\frac{5}{12}$

20. $27\frac{2}{5} + 3\frac{4}{5}$

21. $7\frac{1}{6} + 9\frac{7}{12}$

22. $22\frac{1}{4} + 3\frac{3}{5}$

23. $39\frac{1}{8} + 6\frac{3}{4}$

24. $14\frac{1}{16} + 3\frac{7}{8}$

25. $18\frac{1}{2} + 12\frac{1}{6}$

26. $80\frac{1}{10} + 5\frac{3}{5}$

27. $9\frac{3}{8} + 2\frac{1}{4}$

28. Estimate the length of rope needed to go around a triangle with sides $6\frac{1}{2}$ feet, $7\frac{3}{4}$ feet, and $10\frac{1}{4}$ feet.

29. Sam grew three pumpkins for the pumpkin growing contest. The pumpkins weighed $24\frac{1}{8}$ pounds, $18\frac{2}{4}$ pounds, and $32\frac{5}{16}$ pounds. Find the combined total weight of Sam's pumpkins.

Compare using $<$, $=$, or $>$. Use benchmarks to help.

30. $50\frac{7}{10} + 49\frac{1}{5}$ 100

31. $5\frac{3}{4} + 5\frac{1}{8}$ $11\frac{1}{2}$

32. $20\frac{1}{5} + 4\frac{9}{10}$ 25

33. $22\frac{1}{9} + 8\frac{3}{4}$ $30\frac{11}{12}$

34. $16\frac{6}{12} + 18\frac{4}{9}$ 34.5

35. $1\frac{1}{3} + 2\frac{1}{8}$ 3.5