

Fractions Skill 5 - 13A

Add Mixed Numbers

Add mixed numbers with unlike denominators using the LCD.

Test question 13A: Add $1\frac{2}{4} + 2\frac{2}{3}$ Write the answer in simplest form.

Step 1	Step 2
<p>Find the LCM (least common multiple) of the denominators, 4 and 3.</p> <p>4: 4, 8, 12, 16, 20, ... 3: 3, 6, 9, 12, 15, 18, ... The LCM is 12.</p>	<p>Rename $1\frac{2}{4} + 2\frac{1}{3}$ using the LCD 12. (the LCD is the LCM of the denominators)</p> <p style="text-align: center;">$1\frac{2}{4} = 1\frac{6}{12}$ $2\frac{2}{3} = 2\frac{8}{12}$</p>

Step 3	Step 4
<p>Add the whole numbers. Add the fractions.</p> <p style="text-align: center;">$1\frac{6}{12} + 2\frac{8}{12} = 3\frac{14}{12}$</p>	<p style="text-align: center;">Simplify.</p> <p style="text-align: center;">$3\frac{14}{12} = 3 + 1\frac{2}{12} = 4\frac{2}{12} = 4\frac{1}{6}$</p> <p style="font-size: small;">If needed, review worksheet 10G - mixed numbers.</p>

Directions: Add. Write the answer in simplest form.

1. $1\frac{1}{4} + 2\frac{1}{8}$

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

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

4. $4\frac{1}{4} + 2\frac{1}{2}$

5. $3\frac{3}{9} + 2\frac{1}{3}$

6. $5\frac{3}{10} + 2\frac{1}{2}$

Fractions
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Add Mixed Numbers**Directions:** Add. Write the answer in simplest form.

7. $6\frac{2}{12} + 2\frac{2}{3}$

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

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

10. $4\frac{7}{8} + 2\frac{5}{16}$

11. $4\frac{7}{10} + 4\frac{4}{5}$

12. $24\frac{9}{10} + \frac{2}{5}$

13. $6\frac{3}{4} + 2\frac{5}{8}$

14. $3\frac{6}{12} + 4\frac{1}{2}$

15. $5\frac{2}{16} + 3\frac{1}{2}$

16. $4\frac{8}{14} + 3\frac{6}{7}$

17. $2\frac{8}{12} + 8\frac{3}{4}$

18. $21\frac{9}{12} + \frac{1}{4}$

19. $7\frac{3}{4} + 3\frac{1}{2}$

20. $3\frac{1}{3} + 3\frac{5}{6}$

21. $4\frac{4}{8} + 1\frac{3}{16}$

22. $3\frac{2}{5} + 1\frac{8}{10}$

23. $3\frac{1}{9} + 7\frac{2}{3}$

24. $3\frac{1}{8} + 3\frac{1}{2}$

Answers: Skill 13A, Grade 5

1. $3\frac{3}{8}$

2. $5\frac{11}{12}$

3. $6\frac{5}{6}$

4. $6\frac{3}{4}$

5. $6\frac{2}{3}$

6. $7\frac{4}{5}$

7. $8\frac{5}{6}$

8. $5\frac{2}{3}$

9. $4\frac{5}{8}$

10. $7\frac{3}{16}$

11. $9\frac{1}{2}$

12. $24\frac{3}{10}$

13. $9\frac{1}{8}$

14. 11

15. $8\frac{5}{8}$

16. $8\frac{3}{7}$

17. $10\frac{5}{12}$

18. 22

19. $11\frac{1}{4}$

20. $10\frac{1}{6}$

21. $5\frac{11}{16}$

22. $5\frac{1}{5}$

23. $10\frac{7}{9}$

24. $6\frac{5}{8}$