

LESSON 19

Addition Of Unlike Fractions (One Denominator Is A Multiple Of The Other)

Unlike fractions are fractions with different denominators.

The sum of two or more unlike fractions can be found by making equivalent fractions with a common denominator and then adding the numerators.

When one fraction has a denominator that is a multiple of the other, find an equivalent fraction that will make its denominator the same.

Example: Add

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

$$\text{Change } \frac{2}{5} \text{ To } \frac{4}{10}$$

$$\text{Since } \frac{2}{5} \times \frac{2}{2} = \frac{4}{10}$$

$$\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$$

Add Each Pair Of Unlike Fractions

One Denominator Is A Multiple Of The Other

<p>1. $\frac{1}{2} + \frac{1}{3}$</p> $\frac{3 + 2}{6} = \frac{5}{6}$	<p>6. $\frac{2}{3} + \frac{1}{5}$</p> <p>_____ = _____</p>	<p>11. $\frac{1}{2} + \frac{4}{9}$</p> <p>_____ = _____</p>
<p>2. $\frac{2}{3} + \frac{3}{4}$</p> <p>_____ = _____</p>	<p>7. $\frac{1}{2} + \frac{2}{9}$</p> <p>_____ = _____</p>	<p>12. $\frac{1}{3} + \frac{5}{8}$</p> <p>_____ = _____</p>
<p>3. $\frac{1}{2} + \frac{1}{9}$</p> <p>_____ = _____</p>	<p>8. $\frac{1}{3} + \frac{3}{8}$</p> <p>_____ = _____</p>	<p>13. $\frac{1}{2} + \frac{2}{5}$</p> <p>_____ = _____</p>
<p>4. $\frac{2}{3} + \frac{1}{8}$</p> <p>_____ = _____</p>	<p>9. $\frac{1}{2} + \frac{1}{5}$</p> <p>_____ = _____</p>	<p>14. $\frac{2}{3} + \frac{3}{5}$</p> <p>_____ = _____</p>
<p>5. $\frac{1}{2} + \frac{2}{3}$</p> <p>_____ = _____</p>	<p>10. $\frac{2}{3} + \frac{2}{5}$</p> <p>_____ = _____</p>	<p>15. $\frac{1}{2} + \frac{5}{9}$</p> <p>_____ = _____</p>

Add Each Pair Of Unlike Fractions

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<p>16. $\frac{7}{10} + \frac{3}{5} \times \text{---}$</p> <p>--- + --- = ---</p>	<p>21. $\frac{1}{2} \times \text{---} + \frac{5}{8}$</p> <p>--- + --- = ---</p>	<p>26. $\frac{7}{10} + \frac{1}{2} \times \text{---}$</p> <p>--- + --- = ---</p>
<p>17. $\frac{1}{2} \times \text{---} + \frac{1}{8}$</p> <p>--- + --- = ---</p>	<p>22. $\frac{1}{3} \times \text{---} + \frac{4}{9}$</p> <p>--- + --- = ---</p>	<p>27. $\frac{1}{3} \times \text{---} + \frac{1}{9}$</p> <p>--- + --- = ---</p>
<p>18. $\frac{5}{9} + \frac{1}{3} \times \text{---}$</p> <p>--- + --- = ---</p>	<p>23. $\frac{2}{5} \times \text{---} + \frac{1}{10}$</p> <p>--- + --- = ---</p>	<p>28. $\frac{1}{5} \times \text{---} + \frac{3}{10}$</p> <p>--- + --- = ---</p>
<p>19. $\frac{1}{6} + \frac{2}{3} \times \text{---}$</p> <p>--- + --- = ---</p>	<p>24. $\frac{1}{2} \times \text{---} + \frac{3}{10}$</p> <p>--- + --- = ---</p>	<p>29. $\frac{7}{9} + \frac{1}{3} \times \text{---}$</p> <p>--- + --- = ---</p>
<p>20. $\frac{3}{4} + \frac{3}{8}$</p> <p>--- + --- = ---</p>	<p>25. $\frac{1}{5} \times \text{---} + \frac{1}{10}$</p> <p>--- + --- = ---</p>	<p>30. $\frac{7}{10} + \frac{2}{5} \times \text{---}$</p> <p>--- + --- = ---</p>

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One Denominator Is A Multiple Of The Other

31. $\frac{2}{3} + \frac{5}{6}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	36. $\frac{1}{4} + \frac{1}{8}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	41. $\frac{2}{3} + \frac{4}{9}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$
32. $\frac{2}{9} + \frac{2}{3}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	37. $\frac{1}{6} + \frac{1}{12}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	42. $\frac{1}{4} + \frac{3}{8}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$
33. $\frac{1}{5} + \frac{7}{10}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	38. $\frac{3}{4} + \frac{7}{8}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	43. $\frac{3}{4} + \frac{5}{8}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$
34. $\frac{4}{5} + \frac{1}{10}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	39. $\frac{1}{6} + \frac{7}{12}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	44. $\frac{9}{10} + \frac{3}{5}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$
35. $\frac{2}{5} + \frac{9}{10}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	40. $\frac{2}{3} + \frac{7}{9}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$	45. $\frac{1}{5} + \frac{9}{10}$ <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> $+ \quad =$