

LESSON 6

Extra Practice Reducing Fractions

Reduce all three fractions by any method and circle the one that is different.

Example: $\frac{6}{8} = \frac{3}{4}$ $\frac{9}{15} = \frac{3}{5}$ $\frac{21}{28} = \frac{3}{4}$

Since

$$\frac{6}{8} = \frac{\cancel{2} \times 3}{\cancel{2} \times 2 \times 2} = \frac{3}{4}$$

$$\frac{9}{15} = \frac{\cancel{3} \times 3}{\cancel{3} \times 5} = \frac{\textcircled{3}}{5}$$

$$\frac{21}{28} = \frac{3 \times \cancel{7}}{2 \times 2 \times \cancel{7}} = \frac{3}{4}$$

We circle $\frac{\textcircled{3}}{5}$ since it is different $\frac{6}{8} = \frac{3}{4}$ and $\frac{21}{28} = \frac{3}{4}$

Reduce The Three Fractions And Circle The Different Answer

1. $\frac{2}{4} = \frac{1}{2}$ $\frac{2}{6} = \frac{1}{3}$ $\frac{3}{6} = \frac{1}{2}$	11. $\frac{10}{35} = \frac{2}{7}$ $\frac{7}{14} = \frac{1}{2}$ $\frac{5}{10} = \frac{1}{2}$
2. $\frac{3}{12} = \frac{1}{4}$ $\frac{21}{28} = \frac{3}{4}$ $\frac{5}{20} = \frac{1}{4}$	12. $\frac{16}{18} = \frac{8}{9}$ $\frac{5}{30} = \frac{1}{6}$ $\frac{7}{42} = \frac{1}{6}$
3. $\frac{6}{14} = \frac{3}{7}$ $\frac{10}{18} = \frac{5}{9}$ $\frac{25}{45} = \frac{5}{9}$	13. $\frac{6}{16} = \frac{3}{8}$ $\frac{30}{35} = \frac{6}{7}$ $\frac{21}{56} = \frac{3}{8}$
4. $\frac{2}{16} = \frac{1}{8}$ $\frac{6}{8} = \frac{3}{4}$ $\frac{15}{20} = \frac{3}{4}$	14. $\frac{40}{45} = \frac{8}{9}$ $\frac{3}{27} = \frac{1}{9}$ $\frac{7}{63} = \frac{1}{9}$
5. $\frac{4}{6} = \frac{2}{3}$ $\frac{3}{21} = \frac{1}{7}$ $\frac{6}{9} = \frac{2}{3}$	15. $\frac{20}{45} = \frac{4}{9}$ $\frac{21}{24} = \frac{7}{8}$ $\frac{35}{40} = \frac{7}{8}$
6. $\frac{10}{12} = \frac{5}{6}$ $\frac{10}{16} = \frac{5}{8}$ $\frac{35}{56} = \frac{5}{8}$	16. $\frac{8}{14} = \frac{4}{7}$ $\frac{21}{27} = \frac{7}{9}$ $\frac{12}{21} = \frac{4}{7}$
7. $\frac{5}{45} = \frac{1}{9}$ $\frac{10}{14} = \frac{5}{7}$ $\frac{15}{21} = \frac{5}{7}$	17. $\frac{15}{35} = \frac{3}{7}$ $\frac{18}{21} = \frac{6}{7}$ $\frac{21}{49} = \frac{3}{7}$
8. $\frac{15}{25} = \frac{3}{5}$ $\frac{21}{35} = \frac{3}{5}$ $\frac{8}{10} = \frac{4}{5}$	18. $\frac{3}{24} = \frac{1}{8}$ $\frac{25}{40} = \frac{5}{8}$ $\frac{5}{40} = \frac{1}{8}$
9. $\frac{3}{9} = \frac{1}{3}$ $\frac{6}{15} = \frac{2}{5}$ $\frac{5}{15} = \frac{1}{3}$	19. $\frac{2}{14} = \frac{1}{7}$ $\frac{5}{35} = \frac{1}{7}$ $\frac{49}{56} = \frac{7}{8}$
10. $\frac{10}{45} = \frac{2}{9}$ $\frac{8}{18} = \frac{4}{9}$ $\frac{14}{63} = \frac{2}{9}$	20. $\frac{3}{30} = \frac{1}{10}$ $\frac{12}{14} = \frac{6}{7}$ $\frac{42}{49} = \frac{6}{7}$

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21. $\frac{2}{10} = \frac{1}{5}$ $\frac{4}{14} = \frac{2}{7}$ $\frac{3}{15} = \frac{1}{5}$	31. $\frac{5}{50} = \frac{1}{10}$ $\frac{6}{10} = \frac{3}{5}$ $\frac{7}{70} = \frac{1}{10}$
22. $\frac{10}{25} = \frac{2}{5}$ $\frac{6}{20} = \frac{3}{10}$ $\frac{15}{50} = \frac{3}{10}$	32. $\frac{9}{15} = \frac{3}{5}$ $\frac{2}{8} = \frac{1}{4}$ $\frac{7}{28} = \frac{1}{4}$
23. $\frac{9}{21} = \frac{3}{7}$ $\frac{15}{18} = \frac{5}{6}$ $\frac{35}{42} = \frac{5}{6}$	33. $\frac{9}{30} = \frac{3}{10}$ $\frac{28}{35} = \frac{4}{5}$ $\frac{21}{70} = \frac{3}{10}$
24. $\frac{2}{20} = \frac{1}{10}$ $\frac{6}{21} = \frac{2}{7}$ $\frac{14}{49} = \frac{2}{7}$	34. $\frac{15}{24} = \frac{5}{8}$ $\frac{4}{10} = \frac{2}{5}$ $\frac{14}{35} = \frac{2}{5}$
25. $\frac{14}{18} = \frac{7}{9}$ $\frac{20}{35} = \frac{4}{7}$ $\frac{35}{45} = \frac{7}{9}$	35. $\frac{14}{16} = \frac{7}{8}$ $\frac{25}{35} = \frac{5}{7}$ $\frac{35}{49} = \frac{5}{7}$
26. $\frac{28}{49} = \frac{4}{7}$ $\frac{9}{24} = \frac{3}{8}$ $\frac{15}{40} = \frac{3}{8}$	36. $\frac{14}{20} = \frac{7}{10}$ $\frac{7}{49} = \frac{1}{7}$ $\frac{21}{30} = \frac{7}{10}$
27. $\frac{9}{12} = \frac{3}{4}$ $\frac{12}{15} = \frac{4}{5}$ $\frac{20}{25} = \frac{4}{5}$	37. $\frac{49}{63} = \frac{7}{9}$ $\frac{4}{18} = \frac{2}{9}$ $\frac{6}{27} = \frac{2}{9}$
28. $\frac{18}{20} = \frac{9}{10}$ $\frac{5}{25} = \frac{1}{5}$ $\frac{27}{30} = \frac{9}{10}$	38. $\frac{7}{56} = \frac{1}{8}$ $\frac{45}{50} = \frac{9}{10}$ $\frac{63}{70} = \frac{9}{10}$
29. $\frac{35}{50} = \frac{7}{10}$ $\frac{7}{35} = \frac{1}{5}$ $\frac{49}{70} = \frac{7}{10}$	39. $\frac{2}{18} = \frac{1}{9}$ $\frac{12}{27} = \frac{4}{9}$ $\frac{28}{63} = \frac{4}{9}$
30. $\frac{7}{21} = \frac{1}{3}$ $\frac{10}{15} = \frac{2}{3}$ $\frac{14}{21} = \frac{2}{3}$	40. $\frac{56}{63} = \frac{8}{9}$ $\frac{15}{27} = \frac{5}{9}$ $\frac{35}{63} = \frac{5}{9}$

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41. $\frac{8}{12} = \frac{2}{3}$ $\frac{4}{8} = \frac{1}{2}$ $\frac{12}{18} = \frac{2}{3}$	51. $\frac{12}{16} = \frac{3}{4}$ $\frac{20}{24} = \frac{5}{6}$ $\frac{18}{24} = \frac{3}{4}$
42. $\frac{12}{20} = \frac{3}{5}$ $\frac{4}{12} = \frac{1}{3}$ $\frac{6}{18} = \frac{1}{3}$	52. $\frac{12}{40} = \frac{3}{10}$ $\frac{30}{48} = \frac{5}{8}$ $\frac{18}{60} = \frac{3}{10}$
43. $\frac{8}{20} = \frac{2}{5}$ $\frac{20}{32} = \frac{5}{8}$ $\frac{12}{30} = \frac{2}{5}$	53. $\frac{12}{28} = \frac{3}{7}$ $\frac{30}{36} = \frac{5}{6}$ $\frac{18}{42} = \frac{3}{7}$
44. $\frac{4}{24} = \frac{1}{6}$ $\frac{30}{54} = \frac{5}{9}$ $\frac{6}{36} = \frac{1}{6}$	54. $\frac{4}{16} = \frac{1}{4}$ $\frac{12}{54} = \frac{2}{9}$ $\frac{6}{24} = \frac{1}{4}$
45. $\frac{4}{40} = \frac{1}{10}$ $\frac{8}{28} = \frac{2}{7}$ $\frac{12}{42} = \frac{2}{7}$	55. $\frac{4}{20} = \frac{1}{5}$ $\frac{4}{28} = \frac{1}{7}$ $\frac{6}{42} = \frac{1}{7}$
46. $\frac{8}{36} = \frac{2}{9}$ $\frac{24}{28} = \frac{6}{7}$ $\frac{36}{42} = \frac{6}{7}$	56. $\frac{28}{40} = \frac{7}{10}$ $\frac{16}{20} = \frac{4}{5}$ $\frac{42}{60} = \frac{7}{10}$
47. $\frac{6}{12} = \frac{1}{2}$ $\frac{32}{36} = \frac{8}{9}$ $\frac{48}{54} = \frac{8}{9}$	57. $\frac{20}{28} = \frac{5}{7}$ $\frac{24}{30} = \frac{4}{5}$ $\frac{30}{42} = \frac{5}{7}$
48. $\frac{20}{36} = \frac{5}{9}$ $\frac{28}{32} = \frac{7}{8}$ $\frac{42}{48} = \frac{7}{8}$	58. $\frac{4}{32} = \frac{1}{8}$ $\frac{6}{60} = \frac{1}{10}$ $\frac{6}{48} = \frac{1}{8}$
49. $\frac{54}{60} = \frac{9}{10}$ $\frac{16}{28} = \frac{4}{7}$ $\frac{24}{42} = \frac{4}{7}$	59. $\frac{36}{40} = \frac{9}{10}$ $\frac{4}{36} = \frac{1}{9}$ $\frac{6}{54} = \frac{1}{9}$
50. $\frac{12}{32} = \frac{3}{8}$ $\frac{18}{30} = \frac{3}{5}$ $\frac{18}{48} = \frac{3}{8}$	60. $\frac{28}{36} = \frac{7}{9}$ $\frac{16}{36} = \frac{4}{9}$ $\frac{24}{54} = \frac{4}{9}$

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61. $\frac{16}{24} = \frac{2}{3}$ $\frac{8}{16} = \frac{1}{2}$ $\frac{18}{27} = \frac{2}{3}$	71. $\frac{8}{24} = \frac{1}{3}$ $\frac{8}{56} = \frac{1}{7}$ $\frac{9}{27} = \frac{1}{3}$
62. $\frac{24}{32} = \frac{3}{4}$ $\frac{8}{80} = \frac{1}{10}$ $\frac{27}{36} = \frac{3}{4}$	72. $\frac{18}{81} = \frac{2}{9}$ $\frac{32}{40} = \frac{4}{5}$ $\frac{36}{45} = \frac{4}{5}$
63. $\frac{56}{80} = \frac{7}{10}$ $\frac{16}{40} = \frac{2}{5}$ $\frac{18}{45} = \frac{2}{5}$	73. $\frac{72}{80} = \frac{9}{10}$ $\frac{9}{90} = \frac{1}{10}$ $\frac{81}{90} = \frac{9}{10}$
64. $\frac{8}{48} = \frac{1}{6}$ $\frac{32}{56} = \frac{4}{7}$ $\frac{36}{63} = \frac{4}{7}$	74. $\frac{9}{63} = \frac{1}{7}$ $\frac{48}{56} = \frac{6}{7}$ $\frac{54}{63} = \frac{6}{7}$
65. $\frac{9}{18} = \frac{1}{2}$ $\frac{24}{64} = \frac{3}{8}$ $\frac{27}{72} = \frac{3}{8}$	75. $\frac{56}{64} = \frac{7}{8}$ $\frac{8}{72} = \frac{1}{9}$ $\frac{9}{81} = \frac{1}{9}$
66. $\frac{40}{72} = \frac{5}{9}$ $\frac{16}{56} = \frac{2}{7}$ $\frac{45}{81} = \frac{5}{9}$	76. $\frac{9}{54} = \frac{1}{6}$ $\frac{40}{56} = \frac{5}{7}$ $\frac{45}{63} = \frac{5}{7}$
67. $\frac{24}{80} = \frac{3}{10}$ $\frac{9}{72} = \frac{1}{8}$ $\frac{27}{90} = \frac{3}{10}$	77. $\frac{32}{72} = \frac{4}{9}$ $\frac{18}{63} = \frac{2}{7}$ $\frac{36}{81} = \frac{4}{9}$
68. $\frac{40}{48} = \frac{5}{6}$ $\frac{63}{72} = \frac{7}{8}$ $\frac{45}{54} = \frac{5}{6}$	78. $\frac{64}{72} = \frac{8}{9}$ $\frac{56}{72} = \frac{7}{9}$ $\frac{72}{81} = \frac{8}{9}$
69. $\frac{24}{56} = \frac{3}{7}$ $\frac{63}{90} = \frac{7}{10}$ $\frac{27}{63} = \frac{3}{7}$	79. $\frac{8}{64} = \frac{1}{8}$ $\frac{8}{40} = \frac{1}{5}$ $\frac{9}{45} = \frac{1}{5}$
70. $\frac{16}{72} = \frac{2}{9}$ $\frac{8}{32} = \frac{1}{4}$ $\frac{9}{36} = \frac{1}{4}$	80. $\frac{40}{64} = \frac{5}{8}$ $\frac{63}{81} = \frac{7}{9}$ $\frac{45}{72} = \frac{5}{8}$