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8.

1.  $\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$   
2.  $\frac{1}{4} + \frac{1}{6} = \frac{3}{12} + \frac{2}{12} = \frac{5}{12}$   
3.  $\frac{1}{5} + \frac{1}{10} = \frac{2}{10} + \frac{1}{10} = \frac{3}{10}$   
4.  $\frac{1}{8} + \frac{1}{12} = \frac{3}{24} + \frac{2}{24} = \frac{5}{24}$   
5.  $\frac{1}{9} + \frac{1}{18} = \frac{2}{18} + \frac{1}{18} = \frac{3}{18} = \frac{1}{6}$   
6.  $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$   
7.  $\frac{1}{15} + \frac{1}{30} = \frac{2}{30} + \frac{1}{30} = \frac{3}{30} = \frac{1}{10}$   
8.  $\frac{1}{20} + \frac{1}{30} = \frac{3}{60} + \frac{2}{60} = \frac{5}{60} = \frac{1}{12}$   
9.  $\frac{1}{25} + \frac{1}{50} = \frac{2}{50} + \frac{1}{50} = \frac{3}{50}$   
10.  $\frac{1}{30} + \frac{1}{60} = \frac{2}{60} + \frac{1}{60} = \frac{3}{60} = \frac{1}{20}$   
11.  $\frac{1}{40} + \frac{1}{80} = \frac{2}{80} + \frac{1}{80} = \frac{3}{80}$   
12.  $\frac{1}{45} + \frac{1}{90} = \frac{2}{90} + \frac{1}{90} = \frac{3}{90} = \frac{1}{30}$   
13.  $\frac{1}{50} + \frac{1}{100} = \frac{2}{100} + \frac{1}{100} = \frac{3}{100}$   
14.  $\frac{1}{60} + \frac{1}{120} = \frac{2}{120} + \frac{1}{120} = \frac{3}{120} = \frac{1}{40}$

9.

1.  $\frac{1}{2} - \frac{1}{3} = \frac{3}{6} - \frac{2}{6} = \frac{1}{6}$   
2.  $\frac{1}{4} - \frac{1}{6} = \frac{3}{12} - \frac{2}{12} = \frac{1}{12}$   
3.  $\frac{1}{5} - \frac{1}{10} = \frac{2}{10} - \frac{1}{10} = \frac{1}{10}$   
4.  $\frac{1}{8} - \frac{1}{12} = \frac{3}{24} - \frac{2}{24} = \frac{1}{24}$   
5.  $\frac{1}{9} - \frac{1}{18} = \frac{2}{18} - \frac{1}{18} = \frac{1}{18}$   
6.  $\frac{1}{10} - \frac{1}{20} = \frac{2}{20} - \frac{1}{20} = \frac{1}{20}$   
7.  $\frac{1}{15} - \frac{1}{30} = \frac{2}{30} - \frac{1}{30} = \frac{1}{30}$   
8.  $\frac{1}{20} - \frac{1}{30} = \frac{3}{60} - \frac{2}{60} = \frac{1}{60}$   
9.  $\frac{1}{25} - \frac{1}{50} = \frac{2}{50} - \frac{1}{50} = \frac{1}{50}$   
10.  $\frac{1}{30} - \frac{1}{60} = \frac{2}{60} - \frac{1}{60} = \frac{1}{60}$   
11.  $\frac{1}{40} - \frac{1}{80} = \frac{2}{80} - \frac{1}{80} = \frac{1}{80}$   
12.  $\frac{1}{45} - \frac{1}{90} = \frac{2}{90} - \frac{1}{90} = \frac{1}{90}$   
13.  $\frac{1}{50} - \frac{1}{100} = \frac{2}{100} - \frac{1}{100} = \frac{1}{100}$   
14.  $\frac{1}{60} - \frac{1}{120} = \frac{2}{120} - \frac{1}{120} = \frac{1}{120}$

10.

1.  $\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$   
2.  $\frac{1}{4} \times \frac{1}{6} = \frac{1 \times 1}{4 \times 6} = \frac{1}{24}$   
3.  $\frac{1}{5} \times \frac{1}{10} = \frac{1 \times 1}{5 \times 10} = \frac{1}{50}$   
4.  $\frac{1}{8} \times \frac{1}{12} = \frac{1 \times 1}{8 \times 12} = \frac{1}{96}$   
5.  $\frac{1}{9} \times \frac{1}{18} = \frac{1 \times 1}{9 \times 18} = \frac{1}{162}$   
6.  $\frac{1}{10} \times \frac{1}{20} = \frac{1 \times 1}{10 \times 20} = \frac{1}{200}$   
7.  $\frac{1}{15} \times \frac{1}{30} = \frac{1 \times 1}{15 \times 30} = \frac{1}{450}$   
8.  $\frac{1}{20} \times \frac{1}{30} = \frac{1 \times 1}{20 \times 30} = \frac{1}{600}$   
9.  $\frac{1}{25} \times \frac{1}{50} = \frac{1 \times 1}{25 \times 50} = \frac{1}{1250}$   
10.  $\frac{1}{30} \times \frac{1}{60} = \frac{1 \times 1}{30 \times 60} = \frac{1}{1800}$   
11.  $\frac{1}{40} \times \frac{1}{80} = \frac{1 \times 1}{40 \times 80} = \frac{1}{3200}$   
12.  $\frac{1}{45} \times \frac{1}{90} = \frac{1 \times 1}{45 \times 90} = \frac{1}{4050}$   
13.  $\frac{1}{50} \times \frac{1}{100} = \frac{1 \times 1}{50 \times 100} = \frac{1}{5000}$   
14.  $\frac{1}{60} \times \frac{1}{120} = \frac{1 \times 1}{60 \times 120} = \frac{1}{7200}$

11.

1.  $\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \times \frac{3}{1} = \frac{3}{2}$   
2.  $\frac{1}{4} \div \frac{1}{6} = \frac{1}{4} \times \frac{6}{1} = \frac{6}{4} = \frac{3}{2}$   
3.  $\frac{1}{5} \div \frac{1}{10} = \frac{1}{5} \times \frac{10}{1} = \frac{10}{5} = 2$   
4.  $\frac{1}{8} \div \frac{1}{12} = \frac{1}{8} \times \frac{12}{1} = \frac{12}{8} = \frac{3}{2}$   
5.  $\frac{1}{9} \div \frac{1}{18} = \frac{1}{9} \times \frac{18}{1} = \frac{18}{9} = 2$   
6.  $\frac{1}{10} \div \frac{1}{20} = \frac{1}{10} \times \frac{20}{1} = \frac{20}{10} = 2$   
7.  $\frac{1}{15} \div \frac{1}{30} = \frac{1}{15} \times \frac{30}{1} = \frac{30}{15} = 2$   
8.  $\frac{1}{20} \div \frac{1}{30} = \frac{1}{20} \times \frac{30}{1} = \frac{30}{20} = \frac{3}{2}$   
9.  $\frac{1}{25} \div \frac{1}{50} = \frac{1}{25} \times \frac{50}{1} = \frac{50}{25} = 2$   
10.  $\frac{1}{30} \div \frac{1}{60} = \frac{1}{30} \times \frac{60}{1} = \frac{60}{30} = 2$   
11.  $\frac{1}{40} \div \frac{1}{80} = \frac{1}{40} \times \frac{80}{1} = \frac{80}{40} = 2$   
12.  $\frac{1}{45} \div \frac{1}{90} = \frac{1}{45} \times \frac{90}{1} = \frac{90}{45} = 2$   
13.  $\frac{1}{50} \div \frac{1}{100} = \frac{1}{50} \times \frac{100}{1} = \frac{100}{50} = 2$   
14.  $\frac{1}{60} \div \frac{1}{120} = \frac{1}{60} \times \frac{120}{1} = \frac{120}{60} = 2$

12.

1.  $\frac{1}{2} \div \frac{1}{4} = \frac{1}{2} \times \frac{4}{1} = \frac{4}{2} = 2$   
2.  $\frac{1}{3} \div \frac{1}{6} = \frac{1}{3} \times \frac{6}{1} = \frac{6}{3} = 2$   
3.  $\frac{1}{4} \div \frac{1}{8} = \frac{1}{4} \times \frac{8}{1} = \frac{8}{4} = 2$   
4.  $\frac{1}{5} \div \frac{1}{10} = \frac{1}{5} \times \frac{10}{1} = \frac{10}{5} = 2$   
5.  $\frac{1}{6} \div \frac{1}{12} = \frac{1}{6} \times \frac{12}{1} = \frac{12}{6} = 2$   
6.  $\frac{1}{7} \div \frac{1}{14} = \frac{1}{7} \times \frac{14}{1} = \frac{14}{7} = 2$   
7.  $\frac{1}{8} \div \frac{1}{16} = \frac{1}{8} \times \frac{16}{1} = \frac{16}{8} = 2$   
8.  $\frac{1}{9} \div \frac{1}{18} = \frac{1}{9} \times \frac{18}{1} = \frac{18}{9} = 2$   
9.  $\frac{1}{10} \div \frac{1}{20} = \frac{1}{10} \times \frac{20}{1} = \frac{20}{10} = 2$   
10.  $\frac{1}{11} \div \frac{1}{22} = \frac{1}{11} \times \frac{22}{1} = \frac{22}{11} = 2$   
11.  $\frac{1}{12} \div \frac{1}{24} = \frac{1}{12} \times \frac{24}{1} = \frac{24}{12} = 2$   
12.  $\frac{1}{13} \div \frac{1}{26} = \frac{1}{13} \times \frac{26}{1} = \frac{26}{13} = 2$   
13.  $\frac{1}{14} \div \frac{1}{28} = \frac{1}{14} \times \frac{28}{1} = \frac{28}{14} = 2$   
14.  $\frac{1}{15} \div \frac{1}{30} = \frac{1}{15} \times \frac{30}{1} = \frac{30}{15} = 2$

13.

1.  $\frac{1}{2} \div \frac{1}{5} = \frac{1}{2} \times \frac{5}{1} = \frac{5}{2}$   
2.  $\frac{1}{3} \div \frac{1}{7} = \frac{1}{3} \times \frac{7}{1} = \frac{7}{3}$   
3.  $\frac{1}{4} \div \frac{1}{9} = \frac{1}{4} \times \frac{9}{1} = \frac{9}{4}$   
4.  $\frac{1}{5} \div \frac{1}{11} = \frac{1}{5} \times \frac{11}{1} = \frac{11}{5}$   
5.  $\frac{1}{6} \div \frac{1}{13} = \frac{1}{6} \times \frac{13}{1} = \frac{13}{6}$   
6.  $\frac{1}{7} \div \frac{1}{17} = \frac{1}{7} \times \frac{17}{1} = \frac{17}{7}$   
7.  $\frac{1}{8} \div \frac{1}{19} = \frac{1}{8} \times \frac{19}{1} = \frac{19}{8}$   
8.  $\frac{1}{9} \div \frac{1}{21} = \frac{1}{9} \times \frac{21}{1} = \frac{21}{9} = \frac{7}{3}$   
9.  $\frac{1}{10} \div \frac{1}{23} = \frac{1}{10} \times \frac{23}{1} = \frac{23}{10}$   
10.  $\frac{1}{11} \div \frac{1}{25} = \frac{1}{11} \times \frac{25}{1} = \frac{25}{11}$   
11.  $\frac{1}{12} \div \frac{1}{27} = \frac{1}{12} \times \frac{27}{1} = \frac{27}{12} = \frac{9}{4}$   
12.  $\frac{1}{13} \div \frac{1}{29} = \frac{1}{13} \times \frac{29}{1} = \frac{29}{13}$   
13.  $\frac{1}{14} \div \frac{1}{31} = \frac{1}{14} \times \frac{31}{1} = \frac{31}{14}$   
14.  $\frac{1}{15} \div \frac{1}{33} = \frac{1}{15} \times \frac{33}{1} = \frac{33}{15} = \frac{11}{5}$

14.

1.  $\frac{1}{2} \div \frac{1}{7} = \frac{1}{2} \times \frac{7}{1} = \frac{7}{2}$   
2.  $\frac{1}{3} \div \frac{1}{11} = \frac{1}{3} \times \frac{11}{1} = \frac{11}{3}$   
3.  $\frac{1}{4} \div \frac{1}{13} = \frac{1}{4} \times \frac{13}{1} = \frac{13}{4}$   
4.  $\frac{1}{5} \div \frac{1}{17} = \frac{1}{5} \times \frac{17}{1} = \frac{17}{5}$   
5.  $\frac{1}{6} \div \frac{1}{19} = \frac{1}{6} \times \frac{19}{1} = \frac{19}{6}$   
6.  $\frac{1}{7} \div \frac{1}{23} = \frac{1}{7} \times \frac{23}{1} = \frac{23}{7}$   
7.  $\frac{1}{8} \div \frac{1}{25} = \frac{1}{8} \times \frac{25}{1} = \frac{25}{8}$   
8.  $\frac{1}{9} \div \frac{1}{27} = \frac{1}{9} \times \frac{27}{1} = \frac{27}{9} = 3$   
9.  $\frac{1}{10} \div \frac{1}{29} = \frac{1}{10} \times \frac{29}{1} = \frac{29}{10}$   
10.  $\frac{1}{11} \div \frac{1}{31} = \frac{1}{11} \times \frac{31}{1} = \frac{31}{11}$   
11.  $\frac{1}{12} \div \frac{1}{33} = \frac{1}{12} \times \frac{33}{1} = \frac{33}{12} = \frac{11}{4}$   
12.  $\frac{1}{13} \div \frac{1}{35} = \frac{1}{13} \times \frac{35}{1} = \frac{35}{13}$   
13.  $\frac{1}{14} \div \frac{1}{37} = \frac{1}{14} \times \frac{37}{1} = \frac{37}{14}$   
14.  $\frac{1}{15} \div \frac{1}{39} = \frac{1}{15} \times \frac{39}{1} = \frac{39}{15} = \frac{13}{5}$







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