

解答

1. 約分と倍分 A 2018/7/21

- (1) $\frac{8}{10} = \frac{4}{5} = \frac{12}{15} = \frac{28}{35} = \frac{20}{25}$ (2) $\frac{18}{21} = \frac{6}{7} = \frac{12}{14} = \frac{48}{56} = \frac{42}{49}$
- (3) $\frac{15}{20} = \frac{3}{4} = \frac{9}{12} = \frac{6}{8} = \frac{18}{24}$ (4) $\frac{6}{9} = \frac{2}{3} = \frac{4}{6} = \frac{12}{18} = \frac{18}{27}$
- (5) $\frac{6}{10} = \frac{3}{5} = \frac{9}{15} = \frac{18}{30} = \frac{21}{35}$ (6) $\frac{6}{21} = \frac{2}{7} = \frac{8}{28} = \frac{10}{35} = \frac{4}{14}$
- (7) $\frac{15}{24} = \frac{5}{8} = \frac{10}{16} = \frac{35}{56} = \frac{25}{40}$ (8) $\frac{4}{18} = \frac{2}{9} = \frac{8}{36} = \frac{6}{27} = \frac{10}{45}$
- (9) $\frac{6}{20} = \frac{3}{10} = \frac{9}{30} = \frac{15}{50} = \frac{12}{40}$ (10) $\frac{15}{35} = \frac{3}{7} = \frac{27}{63} = \frac{6}{14} = \frac{9}{21}$
- (11) $\frac{10}{12} = \frac{5}{6} = \frac{40}{48} = \frac{15}{18} = \frac{25}{30}$ (12) $\frac{8}{18} = \frac{4}{9} = \frac{16}{36} = \frac{24}{54} = \frac{12}{27}$
- (13) $\frac{16}{28} = \frac{4}{7} = \frac{8}{14} = \frac{28}{49} = \frac{12}{21}$ (14) $\frac{10}{14} = \frac{5}{7} = \frac{35}{49} = \frac{15}{21} = \frac{20}{28}$

3. 約分と倍分 A 2018/7/21

- (1) $\frac{27}{30} = \frac{9}{10} = \frac{54}{60} = \frac{45}{50} = \frac{18}{20}$ (2) $\frac{6}{27} = \frac{2}{9} = \frac{4}{18} = \frac{8}{36} = \frac{16}{72}$
- (3) $\frac{10}{12} = \frac{5}{6} = \frac{15}{18} = \frac{35}{42} = \frac{40}{48}$ (4) $\frac{28}{30} = \frac{14}{15} = \frac{70}{75} = \frac{42}{45} = \frac{56}{60}$
- (5) $\frac{8}{14} = \frac{4}{7} = \frac{16}{28} = \frac{24}{42} = \frac{12}{21}$ (6) $\frac{15}{24} = \frac{5}{8} = \frac{10}{16} = \frac{40}{64} = \frac{25}{40}$
- (7) $\frac{12}{30} = \frac{2}{5} = \frac{6}{15} = \frac{14}{35} = \frac{4}{10}$ (8) $\frac{12}{27} = \frac{4}{9} = \frac{16}{36} = \frac{32}{72} = \frac{8}{18}$
- (9) $\frac{15}{21} = \frac{5}{7} = \frac{20}{28} = \frac{35}{49} = \frac{10}{14}$ (10) $\frac{12}{56} = \frac{3}{14} = \frac{9}{42} = \frac{6}{28} = \frac{15}{70}$
- (11) $\frac{8}{28} = \frac{2}{7} = \frac{6}{21} = \frac{10}{35} = \frac{4}{14}$ (12) $\frac{14}{20} = \frac{7}{10} = \frac{21}{30} = \frac{28}{40} = \frac{56}{80}$
- (13) $\frac{15}{35} = \frac{3}{7} = \frac{9}{21} = \frac{6}{14} = \frac{24}{56}$ (14) $\frac{20}{36} = \frac{5}{9} = \frac{10}{18} = \frac{25}{45} = \frac{15}{27}$

5. 約分と倍分 A 2018/7/21

- (1) $\frac{10}{16} = \frac{5}{8} = \frac{15}{24} = \frac{45}{72} = \frac{25}{40}$ (2) $\frac{6}{27} = \frac{2}{9} = \frac{12}{54} = \frac{4}{18} = \frac{16}{72}$
- (3) $\frac{10}{14} = \frac{5}{7} = \frac{20}{28} = \frac{30}{42} = \frac{15}{21}$ (4) $\frac{20}{48} = \frac{5}{12} = \frac{10}{24} = \frac{15}{36} = \frac{30}{72}$
- (5) $\frac{4}{14} = \frac{2}{7} = \frac{6}{21} = \frac{8}{28} = \frac{18}{63}$ (6) $\frac{12}{27} = \frac{4}{9} = \frac{8}{18} = \frac{28}{63} = \frac{24}{54}$
- (7) $\frac{12}{15} = \frac{4}{5} = \frac{24}{30} = \frac{8}{10} = \frac{20}{25}$ (8) $\frac{6}{20} = \frac{3}{10} = \frac{18}{60} = \frac{3}{10} = \frac{15}{50}$
- (9) $\frac{4}{30} = \frac{2}{15} = \frac{10}{75} = \frac{6}{45} = \frac{8}{60}$ (10) $\frac{26}{30} = \frac{13}{15} = \frac{39}{45} = \frac{65}{75} = \frac{52}{60}$
- (11) $\frac{14}{20} = \frac{7}{10} = \frac{21}{30} = \frac{42}{60} = \frac{7}{10}$ (12) $\frac{10}{15} = \frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{12}{18}$
- (13) $\frac{27}{36} = \frac{3}{4} = \frac{9}{12} = \frac{15}{20} = \frac{3}{4}$ (14) $\frac{21}{24} = \frac{7}{8} = \frac{56}{64} = \frac{14}{16} = \frac{35}{40}$

2. 約分と倍分 A 2018/7/21

- (1) $\frac{14}{35} = \frac{2}{5} = \frac{12}{30} = \frac{4}{10} = \frac{6}{15}$ (2) $\frac{15}{27} = \frac{5}{9} = \frac{45}{81} = \frac{10}{18} = \frac{25}{45}$
- (3) $\frac{21}{24} = \frac{7}{8} = \frac{42}{48} = \frac{14}{16} = \frac{49}{56}$ (4) $\frac{14}{18} = \frac{7}{9} = \frac{21}{27} = \frac{56}{72} = \frac{35}{45}$
- (5) $\frac{32}{36} = \frac{8}{9} = \frac{56}{63} = \frac{16}{18} = \frac{24}{27}$ (6) $\frac{28}{40} = \frac{7}{10} = \frac{21}{30} = \frac{49}{70} = \frac{14}{20}$
- (7) $\frac{12}{15} = \frac{4}{5} = \frac{8}{10} = \frac{36}{45} = \frac{24}{30}$ (8) $\frac{30}{32} = \frac{15}{16} = \frac{45}{48} = \frac{60}{64} = \frac{75}{80}$
- (9) $\frac{6}{16} = \frac{3}{8} = \frac{15}{40} = \frac{9}{24} = \frac{27}{72}$ (10) $\frac{12}{18} = \frac{2}{3} = \frac{4}{6} = \frac{14}{21} = \frac{6}{9}$
- (11) $\frac{18}{24} = \frac{3}{4} = \frac{27}{36} = \frac{6}{8} = \frac{9}{12}$ (12) $\frac{14}{24} = \frac{7}{12} = \frac{28}{48} = \frac{21}{36} = \frac{42}{72}$
- (13) $\frac{18}{21} = \frac{6}{7} = \frac{12}{14} = \frac{42}{49} = \frac{30}{35}$ (14) $\frac{15}{25} = \frac{3}{5} = \frac{18}{30} = \frac{9}{15} = \frac{6}{10}$

4. 約分と倍分 A 2018/7/21

- (1) $\frac{24}{30} = \frac{4}{5} = \frac{12}{15} = \frac{8}{10} = \frac{28}{35}$ (2) $\frac{6}{20} = \frac{3}{10} = \frac{9}{30} = \frac{15}{50} = \frac{12}{40}$
- (3) $\frac{21}{24} = \frac{7}{8} = \frac{49}{56} = \frac{56}{64} = \frac{14}{16}$ (4) $\frac{6}{9} = \frac{2}{3} = \frac{8}{12} = \frac{18}{27} = \frac{4}{6}$
- (5) $\frac{15}{20} = \frac{3}{4} = \frac{21}{28} = \frac{9}{12} = \frac{6}{8}$ (6) $\frac{21}{27} = \frac{7}{9} = \frac{42}{54} = \frac{35}{45} = \frac{14}{18}$
- (7) $\frac{24}{40} = \frac{3}{5} = \frac{6}{10} = \frac{9}{15} = \frac{15}{25}$ (8) $\frac{12}{14} = \frac{6}{7} = \frac{30}{35} = \frac{18}{21} = \frac{24}{28}$
- (9) $\frac{12}{32} = \frac{3}{8} = \frac{6}{16} = \frac{9}{24} = \frac{27}{72}$ (10) $\frac{15}{18} = \frac{5}{6} = \frac{20}{24} = \frac{45}{54} = \frac{10}{12}$
- (11) $\frac{32}{36} = \frac{8}{9} = \frac{56}{63} = \frac{16}{18} = \frac{24}{27}$ (12) $\frac{18}{28} = \frac{9}{14} = \frac{45}{70} = \frac{36}{56} = \frac{27}{42}$
- (13) $\frac{18}{45} = \frac{2}{5} = \frac{4}{10} = \frac{8}{20} = \frac{6}{15}$ (14) $\frac{12}{21} = \frac{4}{7} = \frac{8}{14} = \frac{16}{28} = \frac{20}{35}$

6. 約分と倍分 A 2018/7/21

- (1) $\frac{6}{10} = \frac{3}{5} = \frac{12}{20} = \frac{9}{15} = \frac{27}{45}$ (2) $\frac{15}{35} = \frac{3}{7} = \frac{9}{21} = \frac{24}{56} = \frac{6}{14}$
- (3) $\frac{20}{24} = \frac{5}{6} = \frac{10}{12} = \frac{15}{18} = \frac{30}{36}$ (4) $\frac{12}{14} = \frac{6}{7} = \frac{18}{21} = \frac{36}{42} = \frac{42}{49}$
- (5) $\frac{16}{40} = \frac{2}{5} = \frac{8}{20} = \frac{4}{10} = \frac{6}{15}$ (6) $\frac{20}{36} = \frac{5}{9} = \frac{10}{18} = \frac{40}{72} = \frac{5}{9}$
- (7) $\frac{25}{40} = \frac{5}{8} = \frac{10}{16} = \frac{30}{48} = \frac{15}{24}$ (8) $\frac{18}{20} = \frac{9}{10} = \frac{27}{30} = \frac{45}{50} = \frac{9}{10}$
- (9) $\frac{9}{24} = \frac{3}{8} = \frac{12}{32} = \frac{6}{16} = \frac{3}{8}$ (10) $\frac{10}{14} = \frac{5}{7} = \frac{35}{49} = \frac{15}{21} = \frac{30}{42}$
- (11) $\frac{22}{28} = \frac{11}{14} = \frac{44}{56} = \frac{33}{42} = \frac{55}{70}$ (12) $\frac{4}{14} = \frac{2}{7} = \frac{8}{28} = \frac{6}{21} = \frac{10}{35}$
- (13) $\frac{28}{35} = \frac{4}{5} = \frac{8}{10} = \frac{12}{15} = \frac{20}{25}$ (14) $\frac{8}{18} = \frac{4}{9} = \frac{12}{27} = \frac{36}{81} = \frac{20}{45}$

7. 約分と倍分 A 2018/7/21

- (1) $\frac{15}{36} = \frac{20}{48} = \frac{10}{24} = \frac{5}{12} = \frac{25}{60}$ (2) $\frac{9}{30} = \frac{3}{10} = \frac{15}{50} = \frac{18}{60} = \frac{6}{20}$
- (3) $\frac{24}{27} = \frac{32}{36} = \frac{8}{9} = \frac{40}{45} = \frac{16}{18}$ (4) $\frac{10}{15} = \frac{6}{9} = \frac{4}{6} = \frac{2}{3} = \frac{14}{21}$
- (5) $\frac{6}{32} = \frac{3}{16} = \frac{15}{80} = \frac{12}{64} = \frac{9}{48}$ (6) $\frac{12}{16} = \frac{18}{24} = \frac{9}{12} = \frac{6}{8} = \frac{3}{4}$
- (7) $\frac{24}{42} = \frac{8}{14} = \frac{32}{56} = \frac{4}{7} = \frac{12}{21}$ (8) $\frac{12}{20} = \frac{18}{30} = \frac{6}{10} = \frac{9}{15} = \frac{3}{5}$
- (9) $\frac{14}{16} = \frac{35}{40} = \frac{7}{8} = \frac{21}{24} = \frac{42}{48}$ (10) $\frac{21}{27} = \frac{35}{45} = \frac{14}{18} = \frac{56}{72} = \frac{7}{9}$
- (11) $\frac{6}{27} = \frac{10}{45} = \frac{14}{63} = \frac{2}{9} = \frac{4}{18}$ (12) $\frac{9}{21} = \frac{3}{7} = \frac{6}{14} = \frac{21}{49} = \frac{24}{56}$
- (13) $\frac{6}{15} = \frac{4}{10} = \frac{8}{20} = \frac{2}{5} = \frac{12}{30}$ (14) $\frac{27}{30} = \frac{45}{50} = \frac{72}{80} = \frac{9}{10} = \frac{18}{20}$

9. 約分と倍分 A 2018/7/21

- (1) $\frac{32}{36} = \frac{56}{63} = \frac{16}{18} = \frac{24}{27} = \frac{8}{9}$ (2) $\frac{28}{32} = \frac{21}{24} = \frac{14}{16} = \frac{7}{8} = \frac{49}{56}$
- (3) $\frac{9}{30} = \frac{12}{40} = \frac{3}{10} = \frac{24}{80} = \frac{6}{20}$ (4) $\frac{9}{21} = \frac{24}{56} = \frac{3}{7} = \frac{6}{14} = \frac{18}{42}$
- (5) $\frac{8}{20} = \frac{6}{15} = \frac{4}{10} = \frac{2}{5} = \frac{16}{40}$ (6) $\frac{14}{18} = \frac{42}{54} = \frac{49}{63} = \frac{21}{27} = \frac{7}{9}$
- (7) $\frac{8}{36} = \frac{4}{18} = \frac{6}{27} = \frac{18}{81} = \frac{2}{9}$ (8) $\frac{20}{36} = \frac{5}{9} = \frac{10}{18} = \frac{30}{54} = \frac{15}{27}$
- (9) $\frac{10}{12} = \frac{5}{6} = \frac{15}{18} = \frac{45}{54} = \frac{30}{36}$ (10) $\frac{18}{48} = \frac{24}{64} = \frac{3}{8} = \frac{6}{16} = \frac{9}{24}$
- (11) $\frac{8}{10} = \frac{4}{5} = \frac{36}{45} = \frac{12}{15} = \frac{16}{20}$ (12) $\frac{10}{32} = \frac{20}{64} = \frac{25}{80} = \frac{15}{48} = \frac{5}{16}$
- (13) $\frac{18}{20} = \frac{9}{10} = \frac{36}{40} = \frac{63}{70} = \frac{27}{30}$ (14) $\frac{12}{27} = \frac{24}{54} = \frac{28}{63} = \frac{4}{9} = \frac{8}{18}$

11. 約分と倍分 A 2018/7/21

- (1) $\frac{20}{36} = \frac{25}{45} = \frac{10}{18} = \frac{15}{27} = \frac{5}{9}$ (2) $\frac{9}{24} = \frac{15}{40} = \frac{3}{8} = \frac{27}{72} = \frac{6}{16}$
- (3) $\frac{14}{16} = \frac{21}{24} = \frac{7}{8} = \frac{63}{72} = \frac{28}{32}$ (4) $\frac{12}{15} = \frac{8}{10} = \frac{4}{5} = \frac{16}{20} = \frac{36}{45}$
- (5) $\frac{30}{32} = \frac{75}{80} = \frac{45}{48} = \frac{60}{64} = \frac{15}{16}$ (6) $\frac{30}{36} = \frac{10}{12} = \frac{15}{18} = \frac{5}{6} = \frac{40}{48}$
- (7) $\frac{18}{20} = \frac{9}{10} = \frac{45}{50} = \frac{27}{30} = \frac{63}{70}$ (8) $\frac{6}{9} = \frac{8}{12} = \frac{18}{27} = \frac{2}{3} = \frac{4}{6}$
- (9) $\frac{6}{21} = \frac{2}{7} = \frac{8}{28} = \frac{12}{42} = \frac{4}{14}$ (10) $\frac{28}{40} = \frac{7}{10} = \frac{56}{80} = \frac{14}{20} = \frac{21}{30}$
- (11) $\frac{6}{8} = \frac{18}{24} = \frac{24}{32} = \frac{3}{4} = \frac{9}{12}$ (12) $\frac{21}{35} = \frac{6}{10} = \frac{9}{15} = \frac{24}{40} = \frac{3}{5}$
- (13) $\frac{12}{21} = \frac{24}{42} = \frac{4}{7} = \frac{16}{28} = \frac{8}{14}$ (14) $\frac{18}{21} = \frac{36}{42} = \frac{30}{35} = \frac{12}{14} = \frac{6}{7}$

8. 約分と倍分 A 2018/7/21

- (1) $\frac{10}{12} = \frac{5}{6} = \frac{30}{36} = \frac{15}{18} = \frac{20}{24}$ (2) $\frac{20}{36} = \frac{40}{72} = \frac{15}{27} = \frac{5}{9} = \frac{10}{18}$
- (3) $\frac{6}{16} = \frac{12}{32} = \frac{9}{24} = \frac{3}{8} = \frac{21}{56}$ (4) $\frac{12}{42} = \frac{4}{14} = \frac{16}{56} = \frac{6}{21} = \frac{2}{7}$
- (5) $\frac{28}{35} = \frac{12}{15} = \frac{8}{10} = \frac{32}{40} = \frac{4}{5}$ (6) $\frac{20}{28} = \frac{40}{56} = \frac{15}{21} = \frac{10}{14} = \frac{5}{7}$
- (7) $\frac{12}{27} = \frac{8}{18} = \frac{36}{81} = \frac{4}{9} = \frac{20}{45}$ (8) $\frac{15}{36} = \frac{10}{24} = \frac{25}{60} = \frac{30}{72} = \frac{5}{12}$
- (9) $\frac{25}{40} = \frac{20}{32} = \frac{10}{16} = \frac{15}{24} = \frac{5}{8}$ (10) $\frac{16}{24} = \frac{6}{9} = \frac{4}{6} = \frac{2}{3} = \frac{14}{21}$
- (11) $\frac{24}{28} = \frac{42}{49} = \frac{12}{14} = \frac{6}{7} = \frac{18}{21}$ (12) $\frac{9}{12} = \frac{3}{4} = \frac{24}{32} = \frac{6}{8} = \frac{21}{28}$
- (13) $\frac{8}{14} = \frac{20}{35} = \frac{12}{21} = \frac{4}{7} = \frac{36}{63}$ (14) $\frac{15}{25} = \frac{3}{5} = \frac{6}{10} = \frac{12}{20} = \frac{9}{15}$

10. 約分と倍分 A 2018/7/21

- (1) $\frac{6}{21} = \frac{4}{14} = \frac{10}{35} = \frac{12}{42} = \frac{2}{7}$ (2) $\frac{10}{15} = \frac{14}{21} = \frac{6}{9} = \frac{2}{3} = \frac{4}{6}$
- (3) $\frac{14}{20} = \frac{7}{10} = \frac{21}{30} = \frac{28}{40} = \frac{49}{70}$ (4) $\frac{15}{21} = \frac{5}{7} = \frac{10}{14} = \frac{40}{56} = \frac{35}{49}$
- (5) $\frac{6}{8} = \frac{9}{12} = \frac{3}{4} = \frac{24}{32} = \frac{18}{24}$ (6) $\frac{12}{20} = \frac{3}{5} = \frac{9}{15} = \frac{6}{10} = \frac{15}{25}$
- (7) $\frac{16}{28} = \frac{12}{21} = \frac{8}{14} = \frac{4}{7} = \frac{36}{63}$ (8) $\frac{18}{21} = \frac{6}{7} = \frac{30}{35} = \frac{54}{63} = \frac{12}{14}$
- (9) $\frac{20}{32} = \frac{45}{72} = \frac{10}{16} = \frac{15}{24} = \frac{5}{8}$ (10) $\frac{12}{28} = \frac{6}{14} = \frac{27}{63} = \frac{9}{21} = \frac{3}{7}$
- (11) $\frac{12}{30} = \frac{6}{15} = \frac{4}{10} = \frac{10}{25} = \frac{2}{5}$ (12) $\frac{14}{18} = \frac{7}{9} = \frac{21}{27} = \frac{28}{36} = \frac{42}{54}$
- (13) $\frac{6}{27} = \frac{4}{18} = \frac{2}{9} = \frac{16}{72} = \frac{12}{54}$ (14) $\frac{9}{30} = \frac{21}{70} = \frac{3}{10} = \frac{6}{20} = \frac{15}{50}$

12. 約分と倍分 A 2018/7/21

- (1) $\frac{10}{14} = \frac{5}{7} = \frac{20}{28} = \frac{30}{42} = \frac{15}{21}$ (2) $\frac{16}{18} = \frac{8}{9} = \frac{32}{36} = \frac{64}{72} = \frac{24}{27}$
- (3) $\frac{6}{14} = \frac{24}{56} = \frac{12}{28} = \frac{9}{21} = \frac{3}{7}$ (4) $\frac{20}{45} = \frac{12}{27} = \frac{4}{9} = \frac{8}{18} = \frac{36}{81}$
- (5) $\frac{18}{45} = \frac{4}{10} = \frac{8}{20} = \frac{2}{5} = \frac{6}{15}$ (6) $\frac{9}{42} = \frac{6}{28} = \frac{3}{14} = \frac{12}{56} = \frac{15}{70}$
- (7) $\frac{15}{27} = \frac{40}{72} = \frac{10}{18} = \frac{5}{9} = \frac{20}{36}$ (8) $\frac{14}{18} = \frac{21}{27} = \frac{35}{45} = \frac{56}{72} = \frac{7}{9}$
- (9) $\frac{14}{16} = \frac{7}{8} = \frac{21}{24} = \frac{63}{72} = \frac{42}{48}$ (10) $\frac{6}{16} = \frac{9}{24} = \frac{12}{32} = \frac{24}{64} = \frac{3}{8}$
- (11) $\frac{6}{27} = \frac{4}{18} = \frac{12}{54} = \frac{2}{9} = \frac{8}{36}$ (12) $\frac{8}{10} = \frac{12}{15} = \frac{36}{45} = \frac{20}{25} = \frac{4}{5}$
- (13) $\frac{27}{30} = \frac{36}{40} = \frac{9}{10} = \frac{63}{70} = \frac{18}{20}$ (14) $\frac{25}{30} = \frac{10}{12} = \frac{5}{6} = \frac{15}{18} = \frac{20}{24}$