
Exercices sur les fractions

Exercice n° 1 Compléter les égalités.

1. $\frac{5}{6} = \frac{\quad}{\quad} = \frac{\quad}{30}$

2. $\frac{1}{4} = \frac{\quad}{\quad} = \frac{\quad}{32}$

3. $\frac{3}{8} = \frac{\quad}{\quad} = \frac{\quad}{24}$

4. $5 = \frac{\quad}{\quad} = \frac{\quad}{3}$

5. $\frac{4}{9} = \frac{\quad}{\quad} = \frac{\quad}{90}$

6. $1 = \frac{\quad}{\quad} = \frac{\quad}{7}$

7. $\frac{1}{9} = \frac{\quad}{\quad} = \frac{\quad}{63}$

8. $\frac{1}{5} = \frac{\quad}{\quad} = \frac{\quad}{15}$

9. $\frac{3}{7} = \frac{\quad}{\quad} = \frac{\quad}{63}$

10. $\frac{3}{5} = \frac{\quad}{\quad} = \frac{\quad}{15}$

11. $\frac{1}{6} = \frac{\quad}{\quad} = \frac{\quad}{12}$

12. $\frac{1}{10} = \frac{\quad}{\quad} = \frac{\quad}{90}$

13. $\frac{9}{10} = \frac{\quad}{\quad} = \frac{\quad}{60}$

14. $5 = \frac{\quad}{\quad} = \frac{\quad}{2}$

15. $\frac{7}{9} = \frac{\quad}{\quad} = \frac{\quad}{27}$

16. $\frac{5}{7} = \frac{\quad}{\quad} = \frac{\quad}{28}$

17. $\frac{2}{9} = \frac{\quad}{\quad} = \frac{\quad}{27}$

18. $\frac{7}{8} = \frac{\quad}{\quad} = \frac{\quad}{72}$

19. $9 = \frac{\quad}{\quad} = \frac{\quad}{4}$

20. $\frac{4}{7} = \frac{\quad}{\quad} = \frac{\quad}{14}$

Exercice n° 2 Comparer les fractions suivantes.

1. $\frac{5}{14} \dots\dots\dots \frac{1}{7}$

2. $\frac{2}{5} \dots\dots\dots \frac{10}{20}$

3. $\frac{1}{4} \dots\dots\dots \frac{3}{16}$

4. $\frac{2}{7} \dots\dots\dots \frac{6}{35}$

5. $\frac{1}{3} \dots\dots\dots \frac{7}{12}$

6. $\frac{8}{9} \dots\dots\dots \frac{30}{36}$

7. $\frac{15}{24} \dots\dots\dots \frac{3}{4}$

8. $\frac{1}{10} \dots\dots\dots \frac{10}{110}$

9. $\frac{5}{6} \dots\dots\dots \frac{18}{24}$

10. $\frac{6}{7} \dots\dots\dots \frac{33}{42}$

11. $\frac{3}{8} \dots\dots\dots \frac{35}{88}$

12. $\frac{49}{72} \dots\dots\dots \frac{5}{8}$

13. $\frac{49}{70} \dots\dots\dots \frac{5}{7}$

14. $\frac{46}{55} \dots\dots\dots \frac{4}{5}$

15. $\frac{1}{6} \dots\dots\dots \frac{7}{24}$

16. $\frac{2}{9} \dots\dots\dots \frac{3}{27}$

17. $\frac{2}{3} \dots\dots\dots \frac{18}{30}$

18. $\frac{3}{7} \dots\dots\dots \frac{24}{49}$

19. $\frac{33}{45} \dots\dots\dots \frac{7}{9}$

20. $\frac{1}{8} \dots\dots\dots \frac{6}{80}$

Exercice n° 3 Ranger les nombres suivants dans l'ordre croissant.

1. $\frac{19}{9}$; 1 ; $\frac{4}{6}$; $\frac{4}{18}$; $\frac{1}{2}$

2. 1 ; $\frac{3}{18}$; $\frac{5}{2}$; $\frac{5}{9}$; $\frac{11}{6}$

3. $\frac{6}{4}$; $\frac{8}{6}$; $\frac{7}{12}$; 3 ; $\frac{11}{3}$

4. $\frac{7}{4}$; $\frac{11}{2}$; $\frac{7}{3}$; 1 ; $\frac{7}{12}$

5. 1 ; $\frac{9}{2}$; $\frac{10}{3}$; $\frac{1}{9}$; $\frac{11}{18}$

6. $\frac{6}{30}$; 3 ; $\frac{3}{2}$; $\frac{7}{3}$; $\frac{8}{5}$

7. $\frac{3}{5}$; $\frac{11}{2}$; $\frac{11}{6}$; $\frac{6}{30}$; 2

8. 3 ; $\frac{5}{2}$; $\frac{3}{5}$; $\frac{3}{20}$; $\frac{7}{10}$

9. $\frac{10}{6}$; $\frac{8}{3}$; 3 ; $\frac{2}{18}$; $\frac{9}{6}$

10. 1 ; $\frac{2}{20}$; $\frac{11}{2}$; $\frac{8}{10}$; $\frac{3}{4}$

Exercice n° 4 Simplifier les fractions suivantes.

1. $\frac{45}{63} = \text{-----} = \text{---}$

2. $\frac{2}{6} = \text{-----} = \text{---}$

3. $\frac{30}{54} = \text{-----} = \text{---}$

4. $\frac{9}{36} = \text{-----} = \text{---}$

5. $\frac{99}{110} = \text{-----} = \text{---}$

6. $\frac{27}{90} = \text{-----} = \text{---}$

7. $\frac{12}{30} = \text{-----} = \text{---}$

8. $\frac{56}{64} = \text{-----} = \text{---}$

9. $\frac{11}{55} = \text{-----} = \text{---}$

10. $\frac{14}{18} = \text{-----} = \text{---}$

11. $\frac{50}{80} = \text{-----} = \text{---}$

12. $\frac{70}{100} = \text{-----} = \text{---}$

13. $\frac{2}{4} = \text{-----} = \text{---}$

14. $\frac{8}{48} = \text{-----} = \text{---}$

15. $\frac{36}{42} = \text{-----} = \text{---}$

16. $\frac{36}{81} = \text{-----} = \text{---}$

17. $\frac{18}{42} = \text{-----} = \text{---}$

18. $\frac{2}{16} = \text{-----} = \text{---}$

19. $\frac{14}{63} = \text{-----} = \text{---}$

20. $\frac{35}{42} = \text{-----} = \text{---}$

Exercice n° 5 Calculer et donner le résultat sous la forme d'une fraction simplifiée

1. $\frac{6}{2} + \frac{16}{10} =$

2. $\frac{7}{5} - \frac{54}{40} =$

3. $\frac{6}{3} + \frac{15}{24} =$

4. $\frac{18}{18} - \frac{4}{9} =$

5. $\frac{15}{10} - \frac{4}{5} =$

6. $\frac{8}{18} + \frac{9}{2} =$

7. $\frac{99}{99} - \frac{5}{9} =$

8. $\frac{17}{28} + \frac{7}{4} =$

9. $\frac{14}{14} - \frac{4}{7} =$

10. $\frac{2}{7} + \frac{15}{56} =$

11. $\frac{19}{22} + \frac{6}{2} =$

12. $\frac{2}{3} - \frac{13}{21} =$

13. $\frac{70}{48} - \frac{3}{6} =$

14. $\frac{13}{15} + \frac{9}{3} =$

15. $\frac{2}{8} + \frac{9}{56} =$

16. $\frac{25}{25} - \frac{4}{5} =$

17. $\frac{4}{2} + \frac{11}{10} =$

18. $\frac{9}{7} - \frac{8}{14} =$

19. $\frac{75}{63} - \frac{1}{7} =$

20. $\frac{2}{6} + \frac{11}{60} =$