

Esercizi sulle proprietà delle potenze con le frazioni

Prodotto di potenze con la stessa base (prima proprietà)

$$1. \left(\frac{1}{2}\right)^2 \cdot \left(\frac{1}{2}\right)^3 =$$

$$2. \left(\frac{1}{3}\right)^1 \cdot \left(\frac{1}{3}\right)^2 =$$

$$3. \left(\frac{2}{3}\right)^4 \cdot \left(\frac{2}{3}\right)^2 =$$

$$4. \left(\frac{3}{5}\right)^1 \cdot \left(\frac{3}{5}\right)^0 =$$

$$5. \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^7 =$$

$$6. \left(\frac{4}{5}\right)^2 \cdot \left(\frac{4}{5}\right)^3 =$$

$$7. \left(\frac{1}{5}\right)^8 \cdot \left(\frac{1}{5}\right)^5 =$$

$$8. \left(\frac{5}{2}\right)^1 \cdot \left(\frac{5}{2}\right)^3 =$$

$$9. \left(\frac{4}{3}\right) \cdot \left(\frac{4}{3}\right)^7 =$$

$$10. \left(\frac{3}{7}\right)^2 \cdot \left(\frac{3}{7}\right)^5 =$$

$$11. \left(\frac{1}{8}\right)^0 \cdot \left(\frac{1}{8}\right)^6 =$$

$$12. \left(\frac{8}{5}\right)^7 \cdot \left(\frac{8}{5}\right)^9 =$$

$$13. \left(\frac{9}{5}\right)^2 \cdot \left(\frac{9}{5}\right)^{11} =$$

$$14. \left(\frac{7}{3}\right)^2 \cdot \left(\frac{7}{3}\right)^8 =$$

$$15. \left(\frac{1}{9}\right)^4 \cdot \left(\frac{1}{9}\right)^3 =$$

$$16. \left(\frac{5}{6}\right)^5 \cdot \left(\frac{5}{6}\right)^9 =$$

$$17. \left(\frac{13}{6}\right)^5 \cdot \left(\frac{13}{6}\right)^{15} =$$

$$18. \left(\frac{5}{27}\right)^{14} \cdot \left(\frac{5}{27}\right)^{16} =$$

$$19. \left(\frac{1}{39}\right)^{13} \cdot \left(\frac{1}{39}\right)^{25} =$$

$$20. \left(\frac{15}{35}\right)^{26} \cdot \left(\frac{15}{35}\right)^{28} =$$

$$21. \left(\frac{11}{7}\right)^8 \cdot \left(\frac{11}{7}\right)^9 =$$

$$22. \left(\frac{3}{16}\right)^{13} \cdot \left(\frac{3}{16}\right)^9 =$$

$$23. \left(\frac{15}{29}\right)^{26} \cdot \left(\frac{15}{29}\right)^{15} =$$

$$24. \left(\frac{10}{33}\right)^{37} \cdot \left(\frac{10}{33}\right) =$$

25. $\left(\frac{25}{27}\right)^{26} \cdot \left(\frac{25}{27}\right)^{34} =$
26. $\left(\frac{10}{9}\right)^9 \cdot \left(\frac{10}{9}\right)^{10} =$
27. $\left(\frac{9}{22}\right)^{18} \cdot \left(\frac{9}{22}\right)^{15} =$
28. $\left(\frac{17}{19}\right)^{17} \cdot \left(\frac{17}{19}\right)^{20} =$
29. $\left(\frac{1}{37}\right) \cdot \left(\frac{1}{37}\right)^{34} =$
30. $\left(\frac{32}{24}\right)^{39} \cdot \left(\frac{32}{24}\right)^{43} =$
31. $\left(\frac{1}{4}\right)^2 \cdot \left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^5 =$
32. $\left(\frac{3}{7}\right)^5 \cdot \left(\frac{3}{7}\right)^1 \cdot \left(\frac{3}{7}\right)^3 =$
33. $\left(\frac{8}{5}\right)^8 \cdot \left(\frac{8}{5}\right)^7 \cdot \left(\frac{8}{5}\right)^2 =$
34. $\left(\frac{6}{11}\right)^8 \cdot \left(\frac{6}{11}\right)^{11} \cdot \left(\frac{6}{11}\right)^6 =$
35. $\left(\frac{5}{12}\right) \cdot \left(\frac{5}{12}\right)^{19} \cdot \left(\frac{5}{12}\right)^0 =$
36. $\left(\frac{10}{11}\right)^{12} \cdot \left(\frac{10}{11}\right)^{12} \cdot \left(\frac{10}{11}\right)^8 =$
37. $\left(\frac{1}{31}\right)^{13} \cdot \left(\frac{1}{31}\right)^8 \cdot \left(\frac{1}{31}\right)^{19} =$
38. $\left(\frac{9}{30}\right)^{12} \cdot \left(\frac{9}{30}\right)^{14} \cdot \left(\frac{9}{30}\right)^{16} =$
39. $\left(\frac{23}{3}\right)^{13} \cdot \left(\frac{23}{3}\right)^{23} \cdot \left(\frac{23}{3}\right)^{11} =$
40. $\left(\frac{2}{43}\right)^{21} \cdot \left(\frac{2}{43}\right)^{14} \cdot \left(\frac{2}{43}\right)^{19} =$
41. $\left(\frac{17}{13}\right)^{31} \cdot \left(\frac{17}{13}\right)^{17} \cdot \left(\frac{17}{13}\right)^{15} =$
42. $\left(\frac{19}{43}\right)^{21} \cdot \left(\frac{19}{43}\right)^{30} \cdot \left(\frac{19}{43}\right)^{39} =$
43. $\left(\frac{39}{53}\right)^0 \cdot \left(\frac{39}{53}\right)^{45} \cdot \left(\frac{39}{53}\right)^{50} =$
44. $\left(\frac{3}{93}\right)^{29} \cdot \left(\frac{3}{93}\right)^{81} \cdot \left(\frac{3}{93}\right) =$
45. $\left(\frac{63}{83}\right)^{99} \cdot \left(\frac{63}{83}\right)^{48} \cdot \left(\frac{63}{83}\right)^{11} =$
46. $\left(\frac{3}{8}\right)^9 \cdot \left(\frac{3}{8}\right)^4 \cdot \left(\frac{3}{8}\right)^{11} \cdot \left(\frac{3}{8}\right)^7 =$
47. $\left(\frac{13}{7}\right)^5 \cdot \left(\frac{13}{7}\right)^{14} \cdot \left(\frac{13}{7}\right)^{21} \cdot \left(\frac{13}{7}\right)^{17} =$
48. $\left(\frac{21}{5}\right)^{10} \cdot \left(\frac{21}{5}\right)^0 \cdot \left(\frac{21}{5}\right) \cdot \left(\frac{21}{5}\right)^{15} =$
49. $\left(\frac{15}{17}\right)^{19} \cdot \left(\frac{15}{17}\right)^{24} \cdot \left(\frac{15}{17}\right)^{19} \cdot \left(\frac{15}{17}\right)^{27} =$
50. $\left(\frac{28}{19}\right)^{29} \cdot \left(\frac{28}{19}\right)^{41} \cdot \left(\frac{28}{19}\right)^{31} \cdot \left(\frac{28}{19}\right)^{29} =$