

A TÖRTKITEVŐJŰ HATVÁNY DEFINÍCIÓJA

GYAKORLÓ FELADATOK

$4^{\frac{1}{2}}$	$27^{\frac{1}{3}}$	$32^{-\frac{2}{5}}$	$\left(\frac{1}{4}\right)^{\frac{3}{2}}$	$\left(\frac{1}{64}\right)^{\frac{1}{3}}$	$\left(\frac{1}{125}\right)^{\frac{2}{3}}$
$4^{\frac{3}{2}}$	$27^{\frac{2}{3}}$	$32^{-\frac{3}{5}}$	$\left(\frac{1}{4}\right)^{\frac{5}{2}}$	$\left(\frac{1}{64}\right)^{\frac{2}{3}}$	$\left(\frac{1}{4}\right)^{-\frac{1}{2}}$
$4^{\frac{5}{2}}$	$27^{\frac{4}{3}}$	$32^{-\frac{4}{5}}$	$\left(\frac{1}{8}\right)^{\frac{2}{3}}$	$\left(\frac{1}{64}\right)^{\frac{5}{6}}$	$\left(\frac{1}{4}\right)^{-\frac{3}{2}}$
$8^{\frac{2}{3}}$	$81^{\frac{1}{4}}$	$64^{-\frac{1}{6}}$	$\left(\frac{1}{8}\right)^{\frac{4}{3}}$	$\left(\frac{1}{9}\right)^{\frac{1}{2}}$	$\left(\frac{1}{4}\right)^{-\frac{5}{2}}$
$8^{\frac{4}{3}}$	$81^{\frac{3}{4}}$	$64^{-\frac{1}{3}}$	$\left(\frac{1}{8}\right)^{\frac{5}{3}}$	$\left(\frac{1}{9}\right)^{\frac{3}{2}}$	$\left(\frac{1}{8}\right)^{-\frac{2}{3}}$
$8^{\frac{5}{3}}$	$25^{\frac{1}{2}}$	$64^{-\frac{2}{3}}$	$\left(\frac{1}{16}\right)^{\frac{1}{4}}$	$\left(\frac{1}{27}\right)^{\frac{1}{3}}$	$\left(\frac{1}{8}\right)^{-\frac{4}{3}}$
$16^{\frac{1}{4}}$	$25^{\frac{3}{2}}$	$64^{-\frac{5}{6}}$	$\left(\frac{1}{16}\right)^{\frac{3}{4}}$	$\left(\frac{1}{27}\right)^{\frac{2}{3}}$	$\left(\frac{1}{8}\right)^{-\frac{5}{3}}$
$16^{\frac{3}{4}}$	$125^{\frac{1}{3}}$	$9^{-\frac{1}{2}}$	$\left(\frac{1}{16}\right)^{\frac{5}{4}}$	$\left(\frac{1}{27}\right)^{\frac{4}{3}}$	$\left(\frac{1}{16}\right)^{-\frac{1}{4}}$
$16^{\frac{5}{4}}$	$125^{\frac{2}{3}}$	$9^{-\frac{3}{2}}$	$\left(\frac{1}{32}\right)^{\frac{1}{5}}$	$\left(\frac{1}{81}\right)^{\frac{1}{4}}$	$\left(\frac{1}{16}\right)^{-\frac{3}{4}}$
$32^{\frac{1}{5}}$	$4^{-\frac{1}{2}}$	$27^{-\frac{1}{3}}$	$\left(\frac{1}{32}\right)^{\frac{2}{5}}$	$\left(\frac{1}{81}\right)^{\frac{3}{4}}$	$\left(\frac{1}{16}\right)^{-\frac{5}{4}}$
$32^{\frac{2}{5}}$	$4^{-\frac{3}{2}}$	$27^{-\frac{2}{3}}$	$\left(\frac{1}{32}\right)^{\frac{3}{5}}$	$\left(\frac{1}{25}\right)^{\frac{1}{2}}$	$\left(\frac{1}{32}\right)^{-\frac{1}{5}}$
$32^{\frac{3}{5}}$	$4^{-\frac{5}{2}}$	$27^{-\frac{4}{3}}$	$\left(\frac{1}{32}\right)^{\frac{4}{5}}$	$\left(\frac{1}{25}\right)^{\frac{3}{2}}$	$\left(\frac{1}{32}\right)^{-\frac{2}{5}}$
$32^{\frac{4}{5}}$	$8^{-\frac{2}{3}}$	$81^{-\frac{1}{4}}$	$\left(\frac{1}{4}\right)^{\frac{1}{2}}$	$\left(\frac{1}{125}\right)^{\frac{1}{3}}$	$\left(\frac{1}{32}\right)^{-\frac{3}{5}}$
$64^{\frac{1}{6}}$	$8^{-\frac{4}{3}}$	$81^{-\frac{3}{4}}$	$\left(\frac{1}{4}\right)^{\frac{1}{2}}$		
$64^{\frac{1}{3}}$	$8^{-\frac{5}{3}}$	$25^{-\frac{1}{2}}$			
$64^{\frac{2}{3}}$	$16^{-\frac{1}{4}}$	$25^{-\frac{3}{2}}$			
$64^{\frac{5}{6}}$	$16^{-\frac{3}{4}}$	$125^{-\frac{1}{3}}$			
$9^{\frac{1}{2}}$	$16^{-\frac{5}{4}}$	$125^{-\frac{2}{3}}$			
$9^{\frac{3}{2}}$	$32^{-\frac{1}{5}}$	$\left(\frac{1}{4}\right)^{\frac{1}{2}}$			

$\left(\frac{1}{32}\right)^{-\frac{4}{5}}$	$\left(\frac{1}{125}\right)^{-\frac{2}{3}}$	$\left(\frac{81}{16}\right)^{\frac{3}{4}}$	$\left(\frac{8}{27}\right)^{\frac{2}{3}}$	$\left(\frac{9}{25}\right)^{\frac{3}{2}}$	$\left(\frac{125}{8}\right)^{-\frac{2}{3}}$
$\left(\frac{1}{64}\right)^{-\frac{1}{6}}$	$\left(\frac{9}{4}\right)^{\frac{1}{2}}$	$\left(\frac{4}{9}\right)^{\frac{1}{2}}$	$\left(\frac{64}{27}\right)^{\frac{2}{3}}$	$\left(\frac{16}{25}\right)^{\frac{3}{2}}$	$\left(\frac{27}{8}\right)^{-\frac{4}{3}}$
$\left(\frac{1}{64}\right)^{-\frac{1}{3}}$	$\left(\frac{25}{4}\right)^{\frac{1}{2}}$	$\left(\frac{16}{9}\right)^{\frac{1}{2}}$	$\left(\frac{125}{27}\right)^{\frac{2}{3}}$	$\left(\frac{8}{125}\right)^{\frac{1}{3}}$	$\left(\frac{125}{8}\right)^{-\frac{4}{3}}$
$\left(\frac{1}{64}\right)^{-\frac{2}{3}}$	$\left(\frac{9}{4}\right)^{\frac{3}{2}}$	$\left(\frac{25}{9}\right)^{\frac{1}{2}}$	$\left(\frac{1000}{27}\right)^{\frac{2}{3}}$	$\left(\frac{27}{125}\right)^{\frac{1}{3}}$	$\left(\frac{27}{8}\right)^{-\frac{5}{3}}$
$\left(\frac{1}{64}\right)^{-\frac{5}{6}}$	$\left(\frac{25}{4}\right)^{\frac{3}{2}}$	$\left(\frac{49}{9}\right)^{\frac{1}{2}}$	$\left(\frac{8}{27}\right)^{\frac{4}{3}}$	$\left(\frac{64}{125}\right)^{\frac{1}{3}}$	$\left(\frac{125}{8}\right)^{-\frac{5}{3}}$
$\left(\frac{1}{9}\right)^{-\frac{1}{2}}$	$\left(\frac{9}{4}\right)^{\frac{5}{2}}$	$\left(\frac{64}{9}\right)^{\frac{1}{2}}$	$\left(\frac{16}{81}\right)^{\frac{1}{4}}$	$\left(\frac{8}{125}\right)^{\frac{2}{3}}$	$\left(\frac{81}{16}\right)^{-\frac{1}{4}}$
$\left(\frac{1}{9}\right)^{-\frac{3}{2}}$	$\left(\frac{25}{4}\right)^{\frac{5}{2}}$	$\left(\frac{100}{9}\right)^{\frac{1}{2}}$	$\left(\frac{16}{81}\right)^{\frac{3}{4}}$	$\left(\frac{27}{125}\right)^{\frac{2}{3}}$	$\left(\frac{81}{16}\right)^{-\frac{3}{4}}$
$\left(\frac{1}{27}\right)^{-\frac{1}{3}}$	$\left(\frac{27}{8}\right)^{\frac{2}{3}}$	$\left(\frac{4}{9}\right)^{\frac{3}{2}}$	$\left(\frac{4}{25}\right)^{\frac{1}{2}}$	$\left(\frac{64}{125}\right)^{\frac{2}{3}}$	$\left(\frac{4}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{27}\right)^{-\frac{2}{3}}$	$\left(\frac{125}{8}\right)^{\frac{2}{3}}$	$\left(\frac{16}{9}\right)^{\frac{3}{2}}$	$\left(\frac{9}{25}\right)^{\frac{1}{2}}$	$\left(\frac{9}{4}\right)^{-\frac{1}{2}}$	$\left(\frac{16}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{27}\right)^{-\frac{4}{3}}$	$\left(\frac{27}{8}\right)^{\frac{4}{3}}$	$\left(\frac{25}{9}\right)^{\frac{3}{2}}$	$\left(\frac{16}{25}\right)^{\frac{1}{2}}$	$\left(\frac{25}{4}\right)^{-\frac{1}{2}}$	$\left(\frac{25}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{81}\right)^{-\frac{1}{4}}$	$\left(\frac{125}{8}\right)^{\frac{4}{3}}$	$\left(\frac{100}{9}\right)^{\frac{3}{2}}$	$\left(\frac{36}{25}\right)^{\frac{1}{2}}$	$\left(\frac{9}{4}\right)^{-\frac{3}{2}}$	$\left(\frac{49}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{81}\right)^{-\frac{3}{4}}$	$\left(\frac{27}{8}\right)^{\frac{5}{3}}$	$\left(\frac{8}{27}\right)^{\frac{1}{3}}$	$\left(\frac{49}{25}\right)^{\frac{1}{2}}$	$\left(\frac{25}{4}\right)^{-\frac{3}{2}}$	$\left(\frac{64}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{125}{8}\right)^{\frac{5}{3}}$	$\left(\frac{64}{27}\right)^{\frac{1}{3}}$	$\left(\frac{64}{25}\right)^{\frac{1}{2}}$	$\left(\frac{9}{4}\right)^{-\frac{5}{2}}$	$\left(\frac{100}{9}\right)^{-\frac{1}{2}}$
$\left(\frac{1}{25}\right)^{-\frac{3}{2}}$	$\left(\frac{81}{16}\right)^{\frac{1}{4}}$	$\left(\frac{125}{27}\right)^{\frac{1}{3}}$	$\left(\frac{81}{25}\right)^{\frac{1}{2}}$	$\left(\frac{25}{4}\right)^{-\frac{5}{2}}$	$\left(\frac{4}{9}\right)^{-\frac{3}{2}}$
$\left(\frac{1}{125}\right)^{-\frac{1}{3}}$	$\left(\frac{1000}{27}\right)^{\frac{1}{3}}$	$\left(\frac{4}{25}\right)^{\frac{3}{2}}$	$\left(\frac{27}{8}\right)^{-\frac{2}{3}}$		

$\left(\frac{16}{9}\right)^{-\frac{3}{2}}$	$\left(\frac{125}{27}\right)^{-\frac{1}{3}}$	$\left(\frac{1000}{27}\right)^{-\frac{2}{3}}$	$\left(\frac{9}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{81}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{27}{125}\right)^{-\frac{1}{3}}$
$\left(\frac{25}{9}\right)^{-\frac{3}{2}}$	$\left(\frac{1000}{27}\right)^{-\frac{1}{3}}$	$\left(\frac{8}{27}\right)^{-\frac{4}{3}}$	$\left(\frac{16}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{4}{25}\right)^{-\frac{3}{2}}$	$\left(\frac{64}{125}\right)^{-\frac{1}{3}}$
$\left(\frac{100}{9}\right)^{-\frac{3}{2}}$	$\left(\frac{8}{27}\right)^{-\frac{2}{3}}$	$\left(\frac{16}{81}\right)^{-\frac{1}{4}}$	$\left(\frac{36}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{9}{25}\right)^{-\frac{3}{2}}$	$\left(\frac{8}{125}\right)^{-\frac{2}{3}}$
$\left(\frac{8}{27}\right)^{-\frac{1}{3}}$	$\left(\frac{64}{27}\right)^{-\frac{2}{3}}$	$\left(\frac{16}{81}\right)^{-\frac{3}{4}}$	$\left(\frac{49}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{16}{25}\right)^{-\frac{3}{2}}$	$\left(\frac{27}{125}\right)^{-\frac{2}{3}}$
$\left(\frac{64}{27}\right)^{-\frac{1}{3}}$	$\left(\frac{125}{27}\right)^{-\frac{2}{3}}$	$\left(\frac{4}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{64}{25}\right)^{-\frac{1}{2}}$	$\left(\frac{8}{125}\right)^{-\frac{1}{3}}$	$\left(\frac{64}{125}\right)^{-\frac{2}{3}}$

COPY RIGHT BY PORKOLÁB TAMÁS