

Riduzione ai minimi termini tramite scomposizione in fattori primi

Es. pag. 396 n. 149, 150, 151 e 154. Es. pag. 468 n. 298 e 299.

<b>149</b>	a	2	5						
	b	2	2	2	7	2	5		
	c	3	3	3	3	2	7	2	5
	d	3	7	3	7	2	7	2	

**150** a = 2<sup>^</sup> risposta      b = 1<sup>^</sup>      c = 3<sup>^</sup>

**151** 11/5                  5/3                  4/15

**154** 9/11  
 2 x 3 x 7      5 x 7      6/5  
 2<sup>3</sup> x 7      2 x 17      28/17  
 3 x 11      2<sup>3</sup> x 11      3/8

**298**  $\left(\frac{14-9}{60}\right)^2 : \left(\frac{3-2}{4}\right)^2 + \frac{13}{3} \times \frac{5}{26} = \left(\frac{1}{12}\right)^2 \times (4)^2 + \frac{5}{6} = \frac{1}{9} + \frac{5}{6} = \frac{2+15}{18} = \frac{17}{18}$  .

**299**  $\left(\frac{7}{5}\right)^2 : \left(\frac{9}{5}\right)^2 : \left(\frac{10-3+7}{18}\right)^2 - \left(\frac{10-7}{12}\right)^2 = \left(\frac{7}{5} \times \frac{5}{9} \times \frac{18}{14}\right)^2 - \left(\frac{3}{12}\right)^2 = 1 - \left(\frac{1}{4}\right)^2 = 1 - \frac{1}{16} = \frac{15}{16}$