

Operazioni frazioni 4 – Algoritmo moltiplicazioni ed espressioni con le moltiplicazioni

Risolvi le seguenti operazioni o espressioni con le moltiplicazioni.

$$1) \quad \frac{2}{9} \times 27 ; \quad 16 \times \frac{7}{8} ; \quad \frac{16}{27} \times \frac{81}{32} ; \quad \frac{25}{45} \times \frac{9}{75} ; \quad \frac{120}{42} \times \frac{14}{30}$$

$$2) \quad 2 - \frac{5}{2} \times \frac{6}{10} ; \quad \frac{15}{8} \times \frac{16}{9} \times \frac{6}{30} ; \quad \frac{10}{9} \times \frac{99}{100} - \frac{3}{2} \times \frac{4}{6}$$

$$3) \quad \frac{27}{16} \times \frac{32}{3} - 16 ; \quad \frac{50}{12} \times \frac{18}{25} \times \frac{10}{90} ; \quad \frac{24}{27} \times \frac{9}{16} - \frac{12}{50} \times \frac{15}{18}$$

$$4) \quad \frac{15}{8} \times \frac{48}{30} \times \frac{5}{6} - \frac{15}{14} \times \frac{66}{12} \times \frac{28}{220} ; \quad \frac{7}{12} \times \frac{18}{14} \times \frac{8}{9} - \frac{5}{16} \times \frac{24}{25} \times \frac{10}{6}$$

$$5) \quad \frac{60}{35} \times \frac{70}{18} \times \frac{18}{16} - \frac{15}{22} \times \frac{44}{25} \times \frac{100}{120} ; \quad \frac{11}{18} \times \frac{36}{22} \times \frac{54}{15} - \frac{4}{21} \times \frac{14}{8} \times \frac{6}{5}$$

$$6) \quad \left(\frac{1}{3} - \frac{1}{5} \right) \times \left(\frac{3}{2} + \frac{1}{3} \right) \times \frac{15}{22} ; \quad \frac{3}{8} \times \frac{16}{9} \times \frac{6}{5} + \frac{5}{14} \times \frac{21}{10} \times \left(\frac{4}{3} - \frac{1}{2} \right)$$

$$7) \quad \left(\frac{1}{2} - \frac{1}{6} \right) \times \left(\frac{3}{4} + \frac{5}{12} \right) \times \frac{9}{7} ; \quad \frac{4}{15} \times \left(\frac{6}{4} - \frac{1}{3} \right) \times \frac{25}{8} + \frac{7}{12} \times \frac{18}{14} \times \frac{8}{9}$$

$$8) \quad \left(\frac{2}{3} - \frac{1}{6} \right) \times \frac{12}{7} \times \left(\frac{3}{5} + \frac{1}{10} \right) ; \quad \frac{5}{16} \times \frac{24}{25} \times \frac{10}{3} + \left(\frac{3}{4} - \frac{1}{6} \right) \times \frac{9}{20} \times \frac{40}{27}$$

$$9) \quad \frac{21}{10} \times \left(\frac{4}{7} + \frac{3}{14} \right) \times \left(\frac{5}{6} - \frac{1}{3} \right) ; \quad \frac{11}{18} \times \frac{36}{22} \times \frac{9}{5} + \frac{6}{35} \times \frac{21}{14} \times \left(\frac{7}{5} - \frac{2}{3} \right)$$