

Esercizi con moltiplicazioni e divisioni di frazioni. Base. Completati di soluzione guidata.
Addition and Subtraction of Fractions

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|-----|--|---|--|
| 1. | $\frac{1}{3} \cdot \frac{1}{3}$ | $\frac{1}{4} \cdot \frac{2}{3}$ | $\frac{5}{3} \cdot \frac{1}{5}$ |
| 2. | $\frac{1}{3} \cdot \frac{21}{5}$ | $\frac{12}{5} \cdot \frac{1}{6}$ | $\frac{55}{14} \cdot \frac{7}{33}$ |
| 3. | $\frac{14}{5} \cdot \frac{35}{2}$ | $\frac{3}{25} \cdot \frac{5}{4}$ | $\frac{15}{7} \cdot \frac{14}{25}$ |
| 4. | $\frac{1}{2} : 2$ | $\frac{1}{2} : \frac{1}{2}$ | $\frac{1}{2} : \frac{2}{3}$ |
| 5. | $\frac{3}{4} : \frac{7}{8}$ | $\frac{3}{4} : 2$ | $\frac{6}{7} : \frac{3}{14}$ |
| 6. | $\frac{12}{25} : \frac{21}{10}$ | $\frac{2}{3} \cdot \frac{39}{5}$ | $\frac{15}{17} : \frac{2}{34}$ |
| 7. | $\frac{1}{2} : \frac{3}{4}$ | $\frac{3}{5} \cdot \frac{15}{3}$ | $\frac{7}{25} \cdot \frac{5}{21}$ |
| 8. | $\frac{7}{3} : \frac{14}{3}$ | $\frac{14}{3} \cdot \frac{9}{10}$ | $\frac{5}{9} \cdot \frac{3}{10}$ |
| 9. | $\frac{1}{3} : \frac{3}{2}$ | $\frac{3}{5} : \frac{7}{5}$ | $12 : \frac{4}{5}$ |
| 10. | $\frac{3}{4} \cdot \frac{16}{27} \cdot \frac{36}{5}$ | $35 \cdot \frac{18}{7} \cdot \frac{5}{9}$ | $\frac{17}{8} \cdot \frac{3}{34} \cdot \frac{6}{21}$ |
| 11. | $\frac{3}{4} : \frac{9}{16} : \frac{1}{2}$ | $18 : \frac{9}{7}$ | $\frac{20}{7} : \frac{10}{3}$ |
| 12. | $\frac{4}{7} : \frac{1}{14} : \frac{2}{5}$ | $\frac{11}{9} \cdot \frac{1}{5} : \frac{22}{9}$ | $\frac{2}{5} \cdot \frac{3}{4} : 9$ |
| 13. | $\frac{4}{3} \cdot \frac{8}{5} \cdot \frac{9}{8}$ | $\frac{2}{7} \cdot \frac{49}{4} : \frac{7}{5}$ | $\frac{7}{5} : \frac{2}{25} \cdot \frac{4}{7}$ |
| 14. | $\frac{17}{8} \cdot \frac{3}{34} \cdot \frac{6}{12}$ | $\frac{1}{35} : \frac{18}{7} : \frac{1}{5}$ | $\frac{2}{3} : \frac{3}{2} \cdot \frac{7}{5}$ |

Soluzioni

$$\frac{1}{3} \cdot \frac{1}{3} = \frac{1}{9}$$

$$\frac{1}{4_2} \cdot \frac{2}{3} = \frac{1}{2} \cdot \frac{1}{3} = \frac{1}{6}$$

$$\frac{5}{3} \cdot \frac{1}{5} = \frac{1}{3} \cdot \frac{1}{1} = \frac{1}{3}$$

$$\frac{1}{3} \cdot \frac{21^7}{5} = \frac{1}{1} \cdot \frac{7}{5} = \frac{7}{5}$$

$$\frac{2^{12}}{5} \cdot \frac{1}{6} = \frac{2}{5} \cdot \frac{1}{1} = \frac{2}{5}$$

$$\frac{5^{55}}{2^{14}} \cdot \frac{7}{33_3} = \frac{5}{2} \cdot \frac{1}{3} = \frac{5}{6}$$

$$\frac{7^{14}}{1^5} \cdot \frac{35^7}{2_1} = \frac{7}{1} \cdot \frac{7}{1} = 49$$

$$\frac{3}{25_5} \cdot \frac{5}{4} = \frac{3}{5 \cdot 4} = \frac{3}{20}$$

$$\frac{3^{15}}{1^7} \cdot \frac{14^2}{25_5} = \frac{3 \cdot 2}{5} = \frac{6}{5}$$

$$\frac{1}{2} : 2 = \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{2} : \frac{1}{2} = \frac{1}{2} \cdot \frac{2}{1} = 1$$

$$\frac{1}{2} : \frac{2}{3} = \frac{1}{2} \cdot \frac{3}{2} = \frac{3}{4}$$

$$\frac{3}{4} : \frac{7}{8} = \frac{3}{4} \cdot \frac{8}{7} = \frac{3}{1} \cdot \frac{2}{7} = \frac{6}{7}$$

$$\frac{3}{4} : 2 = \frac{3}{4} \cdot \frac{1}{2} = \frac{3}{8}$$

$$\frac{6}{7} : \frac{3}{14} = \frac{6}{7} \cdot \frac{14}{3} = \frac{2}{1} \cdot \frac{2}{1} = 4$$

$$\frac{12}{25} : \frac{21}{10} = \frac{\overset{4}{12} \cdot \overset{10^2}{10^2}}{\underset{5}{25} \cdot \underset{7}{21}} = \frac{8}{35}$$

$$\frac{2}{3} \cdot \frac{\overset{13}{39}}{5} = \frac{2 \cdot 13}{5} = \frac{26}{5}$$

$$\frac{15}{17} : \frac{2}{34} = \frac{15}{17} \cdot \frac{\overset{2}{34^2}}{2} = \frac{15}{2}$$

$$\frac{1}{2} : \frac{3}{4} = \frac{1}{2} \cdot \frac{\overset{2}{4^2}}{3} = \frac{2}{3}$$

$$\frac{3}{5} \cdot \frac{15}{3} = \frac{1}{5} \cdot \frac{\overset{3}{15^3}}{1} = \frac{3}{1} = 3$$

$$\frac{7}{25_5} \cdot \frac{5}{21_3} = \frac{1}{5} \cdot \frac{1}{3} = \frac{1}{15}$$

$$\frac{7}{3} : \frac{14}{3} = \frac{7}{3} \cdot \frac{3}{14_2} = \frac{1}{2}$$

$$\frac{14}{3} \cdot \frac{9}{10} = \frac{7 \cdot 14}{3} \cdot \frac{9 \cdot 3}{10 \cdot 2} = \frac{21}{2}$$

$$\frac{5}{9} \cdot \frac{3}{10} = \frac{1}{3} \cdot \frac{1}{2} = \frac{1}{6}$$

$$\frac{1}{3} : \frac{3}{2} = \frac{1}{3} \cdot \frac{2}{3} = \frac{2}{9}$$

$$\frac{3}{5} : \frac{7}{5} = \frac{3}{5} \cdot \frac{5}{7} = \frac{3}{7}$$

$$12 : \frac{4}{5} = 12 \cdot \frac{5}{4} = 3 \cdot \frac{5}{1} = 15$$

$$\frac{3}{4} \cdot \frac{16}{27} \cdot \frac{36}{5} = \frac{16}{5}$$

$$35 \cdot \frac{18}{7} \cdot \frac{5}{9} = 50$$

$$\frac{17}{8} \cdot \frac{3}{34} \cdot \frac{6}{21} = \frac{1}{4} \cdot \frac{1}{2} \cdot \frac{3}{7} = \frac{3}{56}$$

$$\frac{3}{4} : \frac{9}{16} : \frac{1}{2} = \frac{3}{4} \cdot \frac{16}{9} \cdot \frac{2}{1} = \frac{8}{3}$$

$$18 : \frac{9}{7} = \frac{18}{1} \cdot \frac{7}{9} = 14$$

$$\frac{20}{7} : \frac{10}{3} = \frac{20}{7} \cdot \frac{3}{10} = \frac{6}{7}$$

$$\frac{4}{7} : \frac{1}{14} : \frac{2}{5} = \frac{4}{7} \cdot \frac{14}{1} \cdot \frac{5}{2} = \frac{20}{1} = 20$$

$$\frac{11}{9} \cdot \frac{1}{5} : \frac{22}{9} = \frac{11}{9} \cdot \frac{1}{5} \cdot \frac{9}{22} = \frac{1}{10}$$

$$\frac{2}{5} \cdot \frac{3}{4} : 9 = \frac{2}{5} \cdot \frac{3}{4} \cdot \frac{1}{9} = \frac{1}{5} \cdot \frac{1}{2} \cdot \frac{1}{3} = \frac{1}{30}$$

$$\frac{4}{3} \cdot \frac{8}{5} \cdot \frac{9}{8} = \frac{4}{1} \cdot \frac{1}{5} \cdot \frac{3}{1} = \frac{12}{5}$$

$$\frac{2}{7} \cdot \frac{49}{4} \cdot \frac{7}{5} = \frac{2}{7} \cdot \frac{49}{4} \cdot \frac{5}{7} = \frac{2}{1} \cdot \frac{1}{4} \cdot \frac{5}{1} = \frac{5}{2}$$


$$\frac{7}{5} \cdot \frac{2}{25} \cdot \frac{4}{7} = \frac{7}{5} \cdot \frac{25}{2} \cdot \frac{4}{7} = \frac{1}{1} \cdot \frac{5}{2} \cdot \frac{4}{1} = 10$$


$$\frac{17}{8} \cdot \frac{3}{34} \cdot \frac{6}{12} = \frac{1}{8} \cdot \frac{3}{2} \cdot \frac{1}{2} = \frac{3}{32}$$


$$\frac{1}{35} \cdot \frac{18}{7} \cdot \frac{1}{5} = \frac{1}{35} \cdot \frac{7}{18} \cdot \frac{5}{1} = \frac{1}{5} \cdot \frac{1}{18} \cdot \frac{5}{1} = \frac{1}{18}$$


$$\frac{2}{3} \cdot \frac{3}{2} \cdot \frac{7}{5} = \frac{2}{3} \cdot \frac{2}{3} \cdot \frac{7}{5} = \frac{28}{45}$$


Keywords

 *Matematica, Aritmetica, Frazioni, Espressioni Q, addizione, sottrazione, moltiplicazione, divisione, esercizi con soluzioni*

 *Math, Arithmetic, Fraction expressions, Fraction, Expression, Addition, Subtraction, Multiplication, Division, Fraction expressions solved*

 *Matemática, Aritmética, Fracción, Expresiones, Resta, Sustracción, Suma, Adición, Multiplicación, División*

 *Mathématique, Arithmétique, Fraction, Problèmes avec fractions, Addition, Soustraction, Multiplication, Division*

 *Mathematik, Arithmetik, Bruchrechnung, Bruch, Subtraktion, Addition, Multiplikation, Division*

Arabic: كسر

Chinese (Simplified): 分数

Chinese (Traditional): 分數

Czech: zlomek

Danish: brøkdæl

Dutch: deel, breuk

Estonian: murd(arv)

Finnish: murtoluku

French: fraction

Greek: κλάσμα

Hungarian: hányad, tört(rész)

Icelandic: brot

Indonesian: pecahan

Japanese: 分数

Korean: 분수

Lithuanian: trupmena

Norwegian: brøk(del)

Polish: ułamek

Portuguese (Brazil): fração

Portuguese (Portugal): fracção

Romanian: fracție

Russian: дробь

Slovak: zlomek

Slovenian: ulomek

Swedish: del

Turkish: kesir