Esercizi con moltiplicazioni e divisioni di frazioni. Base. Completi di soluzione guidata.

Addition and Subtraction of Fractions

1.	$\frac{1}{3}\cdot\frac{1}{3}$	$\frac{1}{4}\cdot\frac{2}{3}$	$\frac{5}{3}\cdot\frac{1}{5}$	soluzione
2.	$\frac{1}{3}\cdot\frac{21}{5}$	$\frac{12}{5}\cdot\frac{1}{6}$	$\frac{55}{14}\cdot\frac{7}{33}$	soluzione
3.	$\frac{14}{5}\cdot\frac{35}{2}$	$\frac{3}{25}\cdot\frac{5}{4}$	$\frac{15}{7}\cdot\frac{14}{25}$	soluzione
4.	$\frac{1}{24}\cdot 8$	$11\cdot\frac{5}{121}$	$39\cdot\frac{3}{13}$	soluzione
5.	$\frac{1}{25}\cdot\frac{5}{3}$	$\frac{7}{55}\cdot 5$	$\frac{14}{15}\cdot 3$	soluzione
6.	$\frac{3}{4}\cdot\frac{4}{3}$	$\frac{12}{5}\cdot\frac{25}{12}$	$\frac{13}{25}\cdot\frac{5}{13}$	soluzione
7.	$\frac{12}{7}\cdot\frac{35}{2}$	$\frac{3}{15}\cdot\frac{3}{2}$	$\frac{34}{5}\cdot\frac{5}{17}$	soluzione
8.	$\frac{4}{5}\cdot\frac{15}{8}$	$\frac{14}{5}\cdot\frac{25}{28}$	$\frac{11}{2}\cdot\frac{16}{33}$	soluzione
9.	$\frac{9}{4}\cdot\frac{7}{18}$	$\frac{12}{39}\cdot\frac{13}{12}$	$\frac{7}{12}\cdot\frac{15}{49}$	soluzione
10.	$\frac{21}{49}\cdot\frac{7}{3}$	$\frac{1}{2}\cdot\frac{4}{9}$	$\frac{40}{7}\cdot\frac{14}{50}$	soluzione
11.	$\frac{1}{2}\cdot\frac{4}{3}\cdot\frac{9}{7}$	$\frac{5}{3}\cdot\frac{7}{9}\cdot\frac{15}{7}$	$\frac{9}{2}\cdot\frac{14}{27}\cdot\frac{1}{7}$	soluzione
12.	$\frac{8}{7}\cdot\frac{2}{3}\cdot\frac{14}{2}$	$\frac{6}{5}\cdot\frac{35}{3}\cdot\frac{1}{14}$	$\frac{2}{9}\cdot\frac{27}{14}\cdot\frac{7}{9}$	soluzione
13.	$\frac{3}{4}\cdot\frac{16}{27}\cdot\frac{36}{5}$	$35\cdot\frac{18}{7}\cdot\frac{5}{9}$	$\frac{17}{8}\cdot\frac{3}{34}\cdot\frac{6}{21}$	soluzione

14. $\frac{1}{2}:2$ $\quad$ $\frac{1}{2}:\frac{1}{2}$ $\quad$ $\frac{1}{2}:\frac{2}{3}$ soluzione

15. $\frac{3}{4}:\frac{7}{8}$ $\quad$ $\frac{3}{4}:2$ $\quad$ $\frac{6}{7}:\frac{3}{14}$ soluzione

16. $\frac{12}{25}:\frac{21}{10}$ $\quad$ $\frac{2}{3}\cdot\frac{39}{5}$ $\quad$ $\frac{15}{17}:\frac{2}{34}$ soluzione

17. $\frac{1}{2}:\frac{3}{4}$ $\quad$ $\frac{3}{5}\cdot\frac{15}{3}$ $\quad$ $\frac{7}{25}\cdot\frac{5}{21}$ soluzione

18. $\frac{7}{3}:\frac{14}{3}$ $\quad$ $\frac{14}{3}\cdot\frac{9}{10}$ $\quad$ $\frac{5}{9}\cdot\frac{3}{10}$ soluzione

19. $\frac{1}{3}:\frac{3}{2}$ $\quad$ $\frac{3}{5}:\frac{7}{5}$ $\quad$ $12:\frac{4}{5}$ soluzione

20. $\frac{3}{4}\cdot\frac{16}{27}\cdot\frac{36}{5}$ $\quad$ $35\cdot\frac{18}{7}\cdot\frac{5}{9}$ $\quad$ $\frac{17}{8}\cdot\frac{3}{34}\cdot\frac{6}{21}$ soluzione

21. $\frac{3}{4}:\frac{9}{16}:\frac{1}{2}$ $\quad$ $18:\frac{9}{7}$ $\quad$ $\frac{20}{7}:\frac{10}{3}$ soluzione

22. $\frac{4}{7}:\frac{1}{14}:\frac{2}{5}$ $\quad$ $\frac{11}{9}\cdot\frac{1}{5}:\frac{22}{9}$ $\quad$ $\frac{2}{5}\cdot\frac{3}{4}:9$ soluzione

23. $\frac{4}{3}\cdot\frac{8}{5}:\frac{8}{9}$ $\quad$ $\frac{2}{7}\cdot\frac{49}{4}:\frac{7}{5}$ $\quad$ $\frac{7}{5}:\frac{2}{25}\cdot\frac{4}{7}$ soluzione

24. $\frac{17}{8}:\frac{34}{3}\cdot\frac{6}{12}$ $\quad$ $\frac{1}{35}:\frac{18}{7}:\frac{1}{5}$ $\quad$ $\frac{2}{3}:\frac{3}{2}\cdot\frac{7}{5}$ soluzione

25. $\frac{1}{8}:\frac{5}{4}\cdot\frac{15}{7}$ $\quad$ $\frac{1}{9}\cdot\frac{18}{5}:\frac{24}{25}$ $\quad$ $\frac{3}{7}:\frac{3}{49}\cdot\frac{7}{2}$

Soluzioni

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

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

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

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

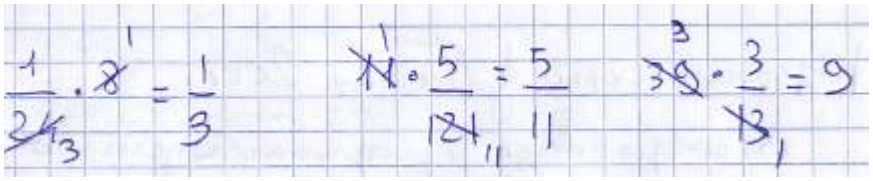
$$\frac{^{2}12}{5}\cdot\frac{1}{\cancel{6}}=\frac{2}{5}\cdot\frac{1}{1}=\frac{2}{5}$$

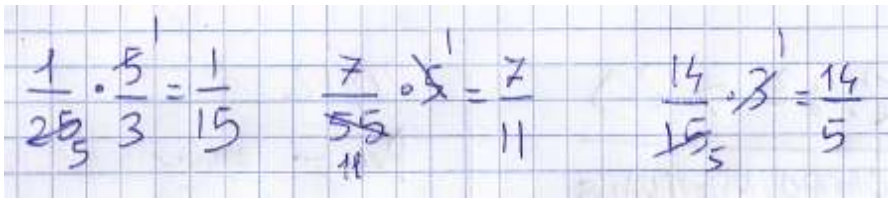
$$\frac{^{5}\cancel{55}}{_{2}\cancel{14}}\cdot\frac{\cancel{7}}{\cancel{33}_{3}}=\frac{5}{2}\cdot\frac{1}{3}=\frac{5}{6}$$

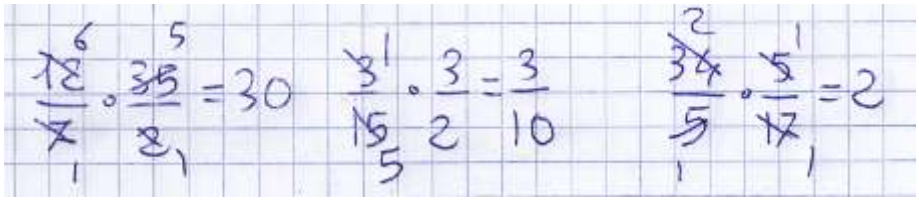
$$\frac{^{7}\cancel{14}}{_{1}\cancel{5}}\cdot\frac{\cancel{35}^{7}}{\cancel{2}_{1}}=\frac{7}{1}\cdot\frac{7}{1}=49$$

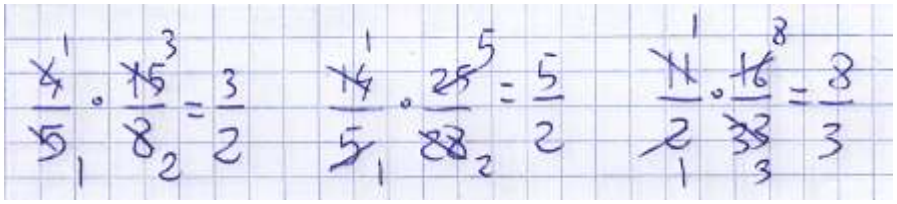
$$\frac{3}{\cancel{25}_{5}}\cdot\frac{\cancel{5}}{4}=\frac{3}{5\cdot\cancel{4}}=\frac{3}{20}$$

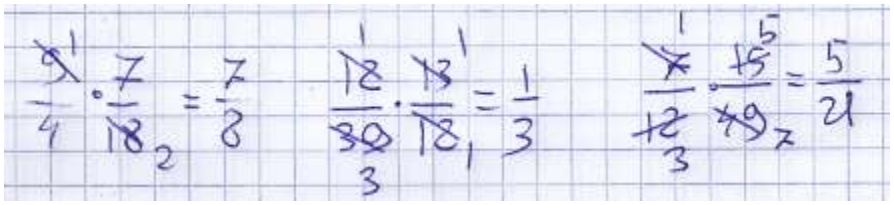
$$\frac{^{3}\cancel{15}}{_{1}\cancel{7}}\cdot\frac{\cancel{14}^{2}}{\cancel{25}_{5}}=\frac{3\cdot 2}{5}=\frac{6}{5}$$

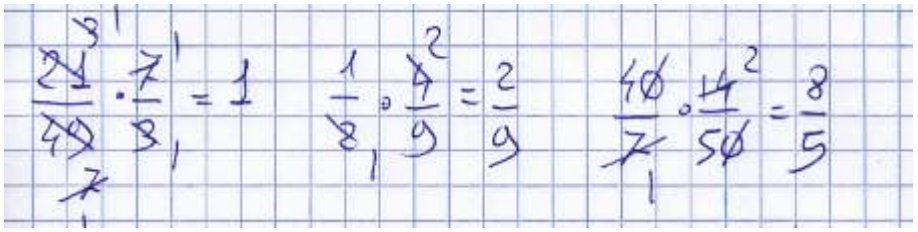


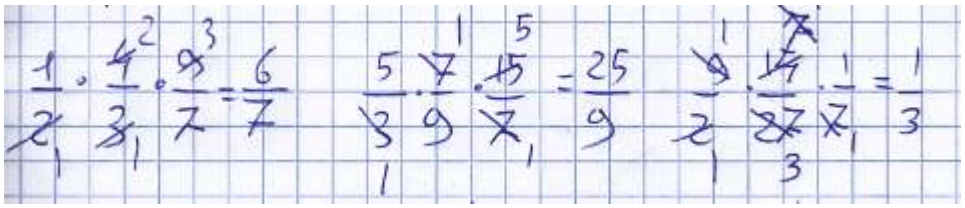


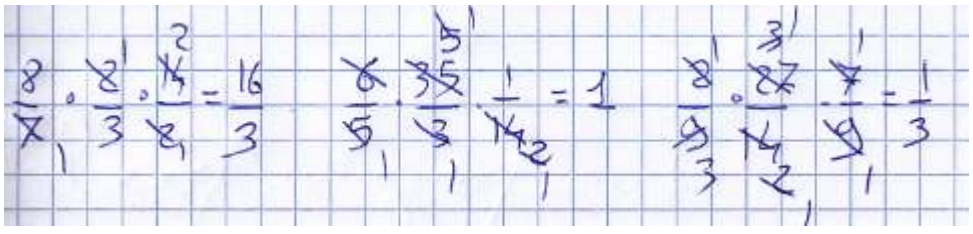


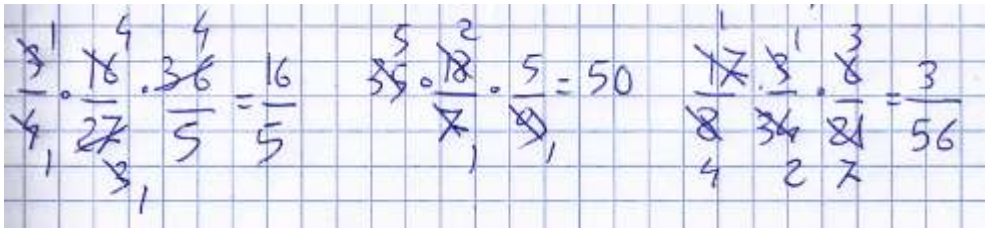












$$\frac{1}{2}:2=\frac{1}{2}\cdot\frac{1}{2}=\frac{1}{4}$$

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

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

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

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

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

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

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

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

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

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

$$\frac{\cancel{7}}{\cancel{25}_{5}}\cdot\frac{\cancel{5}}{\cancel{21}_{3}}=\frac{1}{5}\cdot\frac{1}{3}=\frac{1}{15}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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: كَسْر
Chinese (Simplified): 分数
Chinese (Traditional): 分數
Czech: zlomek
Danish: brøkdel
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: fracţie
Russian: дробь
Slovak: zlomok
Slovenian: ulomek
Swedish: del
Turkish: kesir